

The *Microvolt*

June, 2014



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 \$17 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 \$17 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 \$17 may obtain a membership without a *Microvolt* subscription for \$9. 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 2014 Board

President: Clint Turner, KA7OEI	801 566-4497
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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

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IRLP Information

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

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The Microvolt

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Volume 57, Issue 6, June 2014

June Meeting: UARC in the 30s

We are extremely fortunate to have available two folks who were officers in UARC back in the 1930s. Ray Larsen, W7NMK, and Ray Fehr, ex-W7OGU, were UARC President and Vice-President, respectively, in that time period. They are going to be available at our June meeting to give us stories and pictures from a time when amateur radio was very different from today. The new CW mode was replacing spark and a Federal Communications Commission was a newly conceived entity. Come hear the tales and photos.

The meeting will be on Thursday, June 12, at 7:30 P.M. in room 1230 (the “Duke” classroom) of the Warnock Engineering Building.

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 June meeting will be in room 1230 on the ground floor. See the [map](#) for information on finding the building. The room number varies depending on availability.

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. The June get-together will be at “Charlie Chow’s Dragon Grill,” 255 E. 400 South in Salt Lake City.

Latest News

Our Cover

Featured this month on our cover is Mel Parkes, NM7P, the elected ARRL Section Manager for Utah. Mel was our featured speaker at the May UARC meeting where he gave us the whole

rundown on the 2014 ARRL Centennial celebration with articles, operating events, awards and conventions. We hope everyone has a change to participate.

(Thanks to K7RLS for the photo.)

Steak-Fry Tickets Available

UARC's annual Steak-Fry and Swap-meet is one of the most popular activities of the year. We meet in the cool of Big Cottonwood Canyon, talk, swap, cook, and enjoy a great steak dinner. The cost is only \$12 per person. The date is Saturday afternoon, July 12. (It's definitely not a Thursday as a slip of the keyboard might have led you to believe in last month's *Microvolt*.)

The June meeting will be the last chance to sign up in person at a regular meeting. (If you attend Field Day, that will provide one final chance.) The price covers a full steak dinner. Location will be "The Spruces" campground in Big Cottonwood Canyon. Check with the club Secretary for more details.

Wednesday Night Hikes

It's not an official UARC activity, but in case you are a ham who also likes short hikes in the mountains surrounding the Salt Lake Valley, perhaps you would be interested in a tradition that's been going on over 25 years among local hams.

Each Wednesday evening during the summer months we meet at 6 P.M. in the parking lot at the mouth of Big Cottonwood Canyon. That's just east of the intersection of Wasatch Boulevard and Fort Union Boulevard. (Talk-in is available on the 146.62 repeater.) We then confer and decide on a likely trail of the evening, and then spend a couple of hours hiking. It's a great chance to enjoy a cool break in the mountains in the middle of the work week.

Be sure to bring a flashlight (we often make the return trip after dark) and plenty of water.

More information is available at http://www.ka7oei.com/wnh/wnh_2014/wnh_2014.html.

'76 Repeater Improvements

UARC maintains a very active repeater on 146.76 serving Salt Lake and Utah Counties. Back in 1995 the old tower at Lake Mountain was replaced with a self-supporting tower and on it we put two brand-new antennas: The receive antenna on the top at 120 feet and the transmit antenna at the 60-foot level amongst the other users' transmit antennas. Flashing forward, the receive antenna, sticking above all other antennas, was demolished by lightning about five years ago and "temporarily" replaced, while the fiberglass transmit antenna, having been in the sun for about 20 years, is now showing its age and now needs to be replaced.

Since the original installation there has been another problem: On the south-ish facing leg, other structural elements of the tower (the tower leg, cable raceways, large dishes) block the transmit signal to the north causing a "null" in its signal making it difficult to hear in that direction – a problem that does not affect the receive antenna which, being on the top, is in the clear.

Embarking on a solution: We would like to get a permanent replacement receive antenna and a brand new transmit antenna as well as take some steps to eliminate/minimize the null to the north. Nowadays, however, it is prudent that we hire licensed and bonded personnel to work on a tower such as this — something that will increase the cost substantially, so we are expecting the total bill in the area of \$2000 by the time we are done! While much of this cost will be covered by monies from UARC dues, the Utah VHF Society is providing a small portion — and if you want to help defray the cost of this project yourself, you can do this by joining UARC if you aren't already a member and/or making a donation: Contact Treasurer Chuck Johnson, WA7JOS, if you are interested in joining or making a donation.

For more information about '76, go to <http://utaharc.org/rptr/76rpt.html>.

-Clint Turner, KA7OEI, UARC President

W1AW Portable Schedule

The year 2014 is the centennial year for the American Radio Relay League (ARRL). An on-air year-long celebration of the anniversary is in progress. As part this celebration, stations in various states will be signing the W1AW call and looking for contacts. The schedule for the next several weeks is as follows:

Dates	State	State
6-11	Arkansas	Minnesota
6-18	Alaska	Montana
6-25	Illinois	Maryland
7-2	Wisconsin	Utah
7-9	—	—
7-16	South Carolina	—

For those who have yet to get their “Worked All States” (WAS) certificate, this year presents an opportunity to find all fifty states on the air from easily-heard stations on the HF bands. The portable W1AW operations are part of the “Centennial QSO Party” where operators can accumulate points in various ways throughout 2014. For full details see:

<http://www.arrl.org/centennial-qso-party>.

Utah’s W1AW/7 transmissions will be coming from the station of Jon Utley, K7CO, who has asked for volunteer operators to help keep the station on the air as much of the week as possible. This is a great chance to find out what it’s like to be the object of the pileups! If you would like to help or get more information, contact Jon by email at <mailto:k7co@jonutley.com>.

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
06/04/14	(Wed.)	Ogden	Rik Morrison, W7RIK	(801) 791-9364
06/05/14	(Thu.)	Logan	V.P. Rasmussen, N7JFG	(435) 770-0630
06/07/14	(Sat.)	Salt Lake City ^{1,4}	Gordon Smith, K7HFV	(801) 582-2438
06/14/14	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
06/18/14	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
06/18/14	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
06/24/14	(Tue.)	Salt Lake City ³	Eugene McWherter, N7OVT	(801) 541-1871
07/09/14	(Wed.)	Clearfield	Mike Youngs, KK7VZ	(801) 573-3922
07/16/14	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
07/16/14	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
07/29/14	(Tue.)	Salt Lake City ³	Eugene McWherter, N7OVT	(801) 541-1871
08/02/14	(Sat.)	Salt Lake City ^{1,4}	Gordon Smith, K7HFV	(801) 582-2438
08/09/14	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
08/16/14	(Sat.)	Farmington	Gary L. Davis, KE7MQF	(801) 298-3127
08/20/14	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
08/20/14	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	(435) 674-2678

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/>

Check <http://user.xmission.com/~uarc/testinfo.html> for further exam information.

Come to Field Day!



It's coming up this month: the annual Field Day contest! UARC will be entering Field Day June 28 and 29, from our traditional site near Payson Lakes.

infrastructure and demonstrating it's an effective station by working other amateurs all over the country. For full details of Field Day objectives and rules, see <http://www.arrl.org/field-day>.

What is Field Day?

Field Day is a time when we set up of stations in the great outdoors. Field Day is when we test our emergency readiness. Field Day is when we join our fellow hams all across the U.S. and Canada for the largest operating event in amateur radio.

Field Day is a national event sponsored by the American Radio Relay League (ARRL). Officially Field Day is an "Operating Event" rather than a contest, but it has a lot in common with a contest. It's handled by the contest department at ARRL. There's a scoring system and stations compete for points. The results are listed in *QST* magazine with highest scores first.

But the real intent of Field Day is to test our emergency communications readiness by setting up a station quickly in a spot away from

Why Come?

People participate in Field Day for a variety of reasons. It's a chance to combine camping out with amateur radio. It's a chance to see what HF operating is like, even if you're not yet licensed for HF. It's a chance to see how to erect a variety of antennas. It's a chance to try out contest-style operating where you work stations at one a minute or faster. If you're a contest veteran, it's a chance to demonstrate and refine your skill.

How to Get There

We will be setting up stations in our traditional location, an open field near Payson Lakes on the Nebo Scenic Loop. Here's how to get there:

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 "Peetneet 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.

Member of the Month

Lawrence Anastasi, KC7RAH

By Linda Reeder, N7HVF

This month we are featuring Lawrence Anastasi, KC7RAH. Lawrence has always been interested in radios. When he was five years old his grandfather gave him his first walkie talkie. He took it apart and his mother got mad at him. Lawrence's grandfather told Lawrence's mother not to get angry with him because this is how he could learn. Lawrence said he use to take CB radios apart but could never figure out how to put them back together again. His brother was interested in getting into amateur radio but never pursued it.

In 1981 Lawrence joined the Navy. It was then that he knew he wanted to get into amateur radio. He was licensed to talk on the military radios on which they would talk to ships all around the world. When Lawrence got out of the Navy he bought an amateur radio book from Radio Shack. Lawrence is an audio visual learner so he was having a hard time with the book. The Davis County amateur radio club had a place where

individuals could go and watch a video on obtaining a Technician license. This video was put together so well that after watching it he passed the Technician test on his first try. Lawrence obtained his Technician license in May, 1996, at the Davis County Justice Center. After receiving his Technician license, Lawrence became a member of UARC. He really enjoyed attending the meetings and meeting new people. For some reason he quit going to the meetings and used his radio for emergencies only. Now he is really excited about joining UARC again. In fact he will be joining UARC at this month's meeting. Lawrence is a disabled veteran and amateur radio has really helped him.

Lawrence has worked at the Veterans' hospital at the Cancer Center where he helped with cancer research. As a general assistant to the doctors in the lab, he would look at cancer cells through a

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microscope. He has also done office work for Valley Mental Health.

Lawrence enjoys rocketry. Every year he attends the rocket show in Fairfield, Utah. He really likes to watch those rockets fly. He is working with a friend on building his own rocket. His favorite hobby is playing chess. Every Wednesday from 4 P.M. until 9 P.M. Lawrence goes to the Magna library and plays chess with the chess club.

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Lawrence, welcome back to UARC. We know you will really enjoy getting more involved in amateur radio.



Lawrence Anastasi, KC7RAH
(Photo by K7RLS)