

The *Microvolt*

June, 2013



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, 1783 Woodside Drive, Holladay, UT, 84124-1620.

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, 1933 Woodside Drive, Holladay, UT, 84124-1632.

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, 1783 Woodside Drive, Holladay, UT 84124-1620.

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 2013 Board

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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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For account information go to: <http://www.xmission.com>
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June Meeting: All About Field Day

The June UARC meeting, to be held Thursday, June 13, will be all about Field Day — what it is, how to operate, why it's fun, and how it builds emergency communications skill. We will be reminiscing about Field Days past and planning the coming one.

Field Day is an annual contest sponsored by the American Radio Relay League where amateurs set up stations away from normal home locations (i.e. “in the field”) and try to work as many stations as possible in a 24-hour (or in some cases 27-hour) period.

Field Day is always the fourth Saturday (not necessarily the *last* Saturday) in June and the following Sunday which puts the 2013 event on June 22 and 23. For more information about the contest (or “operating event”) and its rules, see www.arrl.org/field-day.

That's Thursday, June 13, at 7:30 P.M. in the Warnock Engineering building on the University of Utah campus, room 1230 (the “Duke” classroom). The June meeting will be the last chance to buy Steak-Fry tickets at a regular UARC 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. 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
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- 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

Our cover photo this month is from the May meeting where we were able to have Dwayne Allen, WY7D, speak to us via Skype from his home in Sundance, Wyoming (near the northeast corner of the state). Dwayne is the Vice Director for ARRL's Rocky Mountain Division, which includes Colorado, Arizona, New Mexico, and Utah. Dwayne was able to respond to members' questions about various topics including how our emergency communications efforts relate to non-amateur groups and the extent of the FCC's PRB-1 declaration. Thanks to Bruce Fereday, KF7OZK, for the photo.

Steak-Fry: July 13

UARC's July meeting will be the annual steak-fry in Big Cottonwood Canyon. Mark the date on your calendar and check with the club Secretary for tickets. UARC will have its annual steak-fry and swap meet on Saturday afternoon, July 13, at "The Spruces" campground. It is a great chance to get away from the city heat and enjoy a steak dinner with fellow hams.

Tickets for the event are \$10 each and will be available at the June meeting. Note that this is the last opportunity to procure tickets at a meeting. There will also be a chance at Field Day. The final option is to get funds to the Secretary in person, by mail, or via PayPal at least a week prior to the event.

Wednesday Night Hikes

It was discovered about 25 years ago that there were a number of folks with amateur radio licenses who also like to hike on the local mountain trails. The tradition emerged of getting together on Wednesday evenings during the

summer months and choosing a likely trail that would offer a couple of hours of pleasant hiking.

The 2013 hikes have begun, and anyone is welcome to join. Just meet in the parking lot at the mouth of Big Cottonwood Canyon at 6 P.M. The ham group is usually found near the west end. (There is often a Wasatch Mountain Club group getting together at the same time, but further east in the parking lot.) We choose the hike of the evening by the democratic process of seeing who can shout down opposing views most effectively.

For more information and descriptions of past hikes, see <http://www.ka7oei.com/wnh/>.

T-Shirts Continue to be Available

UARC continues to have available T-shirts carrying the club logo and, optionally, personalized with your own callsign. Details are in the March issue of *The Microvolt*. You can find the web version at:

<http://user.xmission.com/~uarc/Microvolt/>.

Rocky Mountain Convention

Only a few weeks left until the 2013 ARRL Rocky Mountain Division Convention, taking place in beautiful Estes Park, Colorado — gateway to Rocky Mountain National Park — on June 28-30 (weekend after Field Day). If you've not yet registered to attend this first-class ham radio convention being planned by the good folks in Colorado, you are definitely invited!

The event draws from Utah, Wyoming, Colorado, and New Mexico. It includes seminars, awards, manufacturers' displays and swap tables. For complete details, see:

<http://www.hamconcolorado.org/wordpress/>

Member of the Month

Nick Wille, KC2CU

By Linda Reeder, N7HVF

This month we are featuring Nick Wille, KC2CU. Nick is 81 years old and has been in amateur radio for many years. Nick was living in New Jersey when he received his Novice license in 1979. He went to the FCC office in New York to take the test. In 1980 he received his Advanced license.

It is really interesting how Nick got interested in amateur radio. In 1953 Nick was serving in Germany during the Korean war in paratrooper 82nd airborne in the United States Army. While serving in Germany, Major Keith Joachim Krause, DL4AP, asked Nick if he would like to talk on MARS radio using his call sign. The thing that impressed Nick the most about amateur radio was the fact that Major Keith would get on the air and contact Lloyd Morse in the United States and Lloyd would let Nick talk to his wife on a phone patch.

Nick's first son, Nick, was born in 1953 while Nick was serving in Germany. It was quite some time before Nick was able to see his son, but he was able to participate in the blessed event through amateur radio. Nick has four boys and they are all grown now. Nick's wife Flida passed away several years ago.

Nick has had many different jobs. He worked in construction, for many years he was a bus driver, and he owned a bar and restaurant in Vermont.

When Nick's wife Flida passed away, his son, Steven, invited Nick to come to Utah. He liked it so much he decided to stay.

Nick really appreciates UARC for the great care they take of their repeaters. This makes it possible for the 76ers to enjoy using these repeaters. Nick would like to thank Gordon, K7HFV; Phil, K7PB; Clint, KA7OEI; and Randy, K7SL, for their hard work keeping these repeaters up and running. It is UARC who makes it all happen.

Nick loves getting on the air with the 76ers. He really enjoys working with Richard, K7KGG; Doug, WE7BBQ; Carl, WE7OMG; Sam, WE7NDN; Tanner, KF7MGT; and Nate, KF7KGN, among the 76ers. You will be hearing more about these guys in future *Microvolts*. The 76ers is a friendly get-together group and everyone is welcome. There is a morning crew I heard as early as 4 in the morning, and an evening crew at 7 P.M. Nick says you can find him on with the evening crew. This group can be found on the 146.76 repeater.

Nick is a member of UARC. Nick also enjoys motorcycle riding and playing golf. Nick loves to watch sports.

Nick I would like to thank you for letting us feature you in *The Microvolt*.

FCC Proposes Vanity Fee Increase

On May 23, the FCC proposed, for the coming fiscal year, a modest increase in the fee to issue or renew a license containing a "vanity" call sign (a call sign chosen by the licensee). The cost would

rise from the current \$15.00 to \$15.20. The Commission is authorized to collect fees for vanity call signs in order to recover the costs associated with the program.

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
06/15/13	(Sat.)	North Salt Lake	Gary L. Davis, KE7MQF	(801) 865-0299
06/15/13	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
06/19/13	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
06/19/13	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
06/25/13	(Tue.)	Salt Lake City ³	Eugene McWherter, N7OVT	(801) 541-1871
07/03/13	(Wed.)	Clearfield	Mike Youngs, KK7VZ	(801) 573-3922
07/17/13	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
07/17/13	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
07/30/13	(Tue.)	Salt Lake City ³	Eugene McWherter, N7OVT	(801) 541-1871
08/03/13	(Sat.)	Salt Lake City ¹	Gordon Smith, K7HFV	(801) 582-2438

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

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

UARC's 2013 Field Day Entry

Every year, ARRL Field Day is the biggest operating event in all of amateur radio. Amateurs from across the U.S. and Canada try to work as many stations as possible from portable and mobile stations operating away from normal fixed station sites. The point of such an event is to test our capabilities to operate in an emergency when normal stations and utilities may not be available.

UARC's entry in Field Day has become one of the most popular events of the year. It provides a chance to combine a family campout, an escape from the heat of the valley, and an opportunity to operate from a wonderful radio location.

When: Field Day takes place on the fourth (not necessarily the last) full weekend in June every year. That puts the 2013 event on June 22 and 23. Actual operation runs from noon on Saturday through noon on Sunday. However, setup begins sooner. UARC members will be on site as early as Wednesday the 19th. The rules allow for no more

than 24 hours of setup activity, but a rule change for this year allows the 24 hours to be spread out over a longer period. This will allow us to use the full setup period without needing to be checking the tower alignment at 3 A.M. We may begin setting up as early as 6 P.M. on Thursday evening.

The bottom line is this: come when you can and leave when you must.

What Happens? We will set up two or three SSB and CW stations on the HF bands and operate them in shifts for the full 24-hour period. We will be anxious to find operators and loggers to keep the contacts coming in as fast as possible. If you like late-night and early-morning operating, your skills will be in particular demand. Depending on equipment and conditions we may also have a VHF station and/or a satellite station.

Where: We will be setting up stations in our traditional location, an open field near Payson

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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.

How can I participate: You can help with the planning, setup, operating, logging, or all of the above! For details, get in touch with this year's Field Day Chairman: Brett Sutherland, N7KG, <mailto:n7kg@arrl.net>.

You can also join the UARC Field Day reflector. Just send e-mail to <mailto:uarcfd-subscribe%40yahoogroups.com> . If you have a Yahoo ID, another way to join is to go to <http://groups.yahoo.com/group/uarcfd/> .

Maybe you would like to take over administration of a particular portion of the effort. Brett lists the following focus areas:

- Antennas — Beams
- Antennas — Wire
- Rigs
- Tents
- Towers
- Power generation
- Alternative power
- VHF
- Satellite
- Education sessions
- Hauling trailers — especially the tower, and we pay fuel cost
- Food prep for the pot luck
- Operators
- Scheduling operators
- Kids events
- Network setup
- Camp communications - including announcements about scheduling, help needed wherever, who has xyz etc.
- Talk-in control

Other Details: The area where we will be camping is just an open field with no improvements. There are no water sources, tables, or fire pits. Fires may be prohibited depending on the danger at the time of Field Day. Bring all the food, water, and shelter that you will need for the period you will be present. Don't forget coats. It may be summer, but it gets cold at night at that elevation.

There is an improved Forest Service campground within a half-mile of the site, so it is quite practical to camp there (for a fee) and commute over to the Field Day site.

On Saturday night there will be a group pot-luck dinner. The club will supply a main dish (Doug, WE7BBQ, is in charge). Bring whatever else you would like and a dish to share.

Other useful things to remember are sunscreen, tools, a chair, and spare fuses.

What does all this accomplish? There are a lot of characteristics of Field Day that are common with those of emergency operation. They include:

- The need to copy a lot of information quickly and accurately.
- The need to establish a station away from normal station locations
- The need to improvise quickly when something doesn't work
- The need to put in a lot of operating hours while keeping accuracy high

If you've never operated HF before, Field Day is a great opportunity to see what it's like. There will

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likely be enough operators with higher-class licenses that you can make contacts while someone else serves as the licensed control operator. There will also be a chance to see HF stations set up from scratch.

So come out! Most people say they have had a great time. And come to the June meeting for more information and a chance to ask questions.



The small beam goes up (Field Day 2011)