

The *Microvolt*

October, 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

President: Clint Turner, KA7OEI	801 566-4497
Executive VP: Rick Asper, AC7RA	801 865-1693
Vice Pres: Brett Sutherland, N7KG	801 298-5399
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: Mary Alexander, KF7QVL	801 347-3220
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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: Brett Sutherland, N7KG	801 298-5399
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>

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

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Volume 56, Issue 9, October 2013

October Meeting: Homebrew Night

It's coming October 10: UARC's annual Homebrew Night! This is the event where folks who have been building their own amateur radio equipment have an opportunity to show everyone what they have constructed and explain the features and capabilities. Even if you haven't had your soldering iron heated up recently, you will want to come see what others have done.

Each person displaying something will have about five minutes to show and explain it. If it's too big or well-anchored to bring in, then bring in photos, block diagrams, flow charts, or whatever it takes make the project clear to the audience. We will have the digital projector available and can probably display most common varieties of computer files.

Anything that can be used in amateur radio and has not been shown at a previous UARC Homebrew Night is eligible to show. Good projects include power supplies, power amplifiers, keyers, transverters, mike preamps (for those rigs that are eternally deficient in transmit audio), and, of course, antennas. That's Thursday, October 10, at 7:30 P.M. in room 2230 (the "Clark" classroom) of the Warnock Engineering Building.

Last month we had a problem that the front elevator had the second floor locked out. There are two possible solutions for the handicapped. The first is to get into the elevator and then send an able-bodied person to the second floor to call the elevator. The second is to find your way to the elevator in the southwest corner of the building and use it to access the second floor.

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 fall, 2013, meetings are scheduled in room 2230. 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 October get-together will be at "Su Casa," 516 E. 300 South in Salt Lake City.

Latest News

Our Cover

Our cover photo this month is made up of slides from Morris Farmer's (AD7SR) September presentation on putting up a tower. The inset is Morris himself.

Morris' slides and notes are available on the club web site as a PDF file at:

<http://user.xmission.com/~uarc/howto.html> .

Logan "Swaptoberfest" October 12

The Bridgerland Amateur Radio Club (BARC) will be holding its annual "SwaptoberFest" swap meet on the morning of Saturday, October 12. Starting time is 8 A.M. Those needing to set up displays may come as soon as 7 A.M. Everyone is invited. There is no charge for admission or display.

Location is the Cache County Fairgrounds Pavilion, 450 West 500 South, in Logan. Talk-in will be on 146.72 (-) and 147.26 (+), both requiring a PL of 103.5 Hz.

More information in the form of a flyer can be found at :

<http://www.barconline.org/system/files/SwaptoberFest2013a.pdf>

Coming Meetings

The **October** meeting is Homebrew Night. This is the most popular meeting of the year. Bring your radio related projects that you've been working on and show us how they work and why you built them.

The **November** meeting will feature Gordon Smith, K7HFV. Gordon will be talking about what we should all know as conscientious hams to operate properly on the air. November is also nominations night for 2014 officers. The Board will present its slate of nominees and then open to meeting to nominations from the floor. If you would like to help out, or would like to nominate someone, here's your opportunity.

December will bring back the ever popular Quiz game. Gary, AB1IP, and other members of the UARC board will pose ham radio questions and the audience will try to come up with the correct answers. December is also UARC Board election night; come and vote for your favorites.

In **January** we are hoping to have John Lloyd, K7JL, talk to us about sources of RFI. That is, sources of interference to our radios. He will discuss how to identify them (what they sound like), and how to track them down.

—Morris Farmer, AD7SR

UARC T-Shirts

The rate of ordering "T" shirts has dramatically dropped off. We should have the last few shirts that have been ordered available at the October meeting. We are considering suspending orders until ... well, until there seems to be a demand for them. Probably next spring. If you've ordered a "T" shirt, please come to the October meeting and pick yours up or make delivery arrangements with Morris Farmer, AD7SR at: <mailto:ad7sr@comcast.net>.

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Mary Alexander - Assistant Editor 9-27-2013

I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
10/10/13	(Thu.)	Logan	V. Phillip Rasmussen, N7JFG	(435) 770-0630
10/12/13	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
10/16/13	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
10/16/13	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
10/29/13	(Tue.)	Salt Lake City ³	Eugene McWherter, N7OVT	(801) 541-1871
11/06/13	(Wed.)	Clearfield	Mike Youngs, KK7VZ	(801) 573-3922
11/20/13	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
11/20/13	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	(435) 674-2678
11/26/13	(Tue.)	Salt Lake City ³	Eugene McWherter, N7OVT	(801) 541-1871

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.

More News

Project Leader Needed

UARC has a project: We need to put together a trailer — towable by any capable ½-ton vehicle — that will convey the club's 8-kW propane generator, its 80-gallon fuel tank, the short crank-up tower, and the various boxes containing what is needed for Field Day. If you'd like to help with the project or consider being in charge, check <http://user.xmission.com/~uarc/trailer.html> for more details.

Code Class?

We are trying to find people interested in learning Morse Code, or improving their code proficiency. We are especially interested in finding someone willing to head this project. If you are interested in learning code, or in helping us learn code please contact Morris Farmer, AD7SR at: <mailto:ad7sr@comcast.net>.

Member of the Month

Doug Maurer, WE7BBQ

By Linda Reeder, N7HVF

This month we are featuring Doug Maurer WE7BBQ. Doug has been in amateur radio for about three years. Doug has always been interested in radio communications. In 1974 Doug was active in CB radio. Doug had a friend who got

his amateur radio license in 1976. Doug wanted to get his ham radio license so he could communicate with his friend, but he just couldn't pass that Morse Code test. He lost contact with his friend,

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forgot all about amateur radio, and got busy with other things.

Doug is from Arizona and moved to Utah in 2009. Doug saw an ad for Steve Whitehead's (NV7V) amateur radio exams and decided to try again. He found the Technician test to be easy. He said he just glanced through the material a few times. Then, two months later, Doug obtained his General license. Doug said he would really need to study hard if he decides to get his Extra Class license. Doug said the Extra is really technical and there are a lot of things he would need to learn about. Doug's wife, Mindy, has her Technician license. Her call sign is N1RSE. Mindy is a nurse that is why she wanted those call letters.

Doug's favorite thing about amateur radio is the camaraderie: people helping each other. Doug tries to help others in need whenever he can. He loves making contacts and making new friends. Doug is very active with the 76ers. In fact, you can always hear him on the 146.76 repeater around 4 A.M. Doug has to get up very early in the morning to go to work and and it is so nice to have people to talk to on the way. Doug works for Napa auto parts. He hauls auto parts to the

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distribution center and makes deliveries to other places. Doug is Richard's first assistant for the 76ers. Doug is also a member of UARC and the VHF Society.

Doug attended Field Day for the first time this year at Payson Lakes. He was the cook and it was delicious. Doug enjoys cooking and said he is willing to cook for UARC again next year if they would like. Doug is also net control for the UARC information net at 9 P.M. on the 146.62 repeater on the first Sunday of each month.

Doug, we really appreciate your contributions to amateur radio.

