

# The *Microvolt*

July, 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
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
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

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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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# **Steak-Fry and Swap-Meet: July 12**

Our July “meeting” will be the UARC’s annual steak-fry and swap meet which will be held on Saturday afternoon July 12. Cost is \$12. If you haven’t signed up yet there may just barely be time to get your check to the club Secretary (see page 2) before the steaks have been purchased. If you are a PayPal member, you can send payment to [UARC@xmission.com](mailto:UARC@xmission.com).

Location is “The Spruces” campground in Big Cottonwood Canyon. Big Cottonwood Canyon is the one that contains the Solitude and Brighton ski resorts. The canyon road starts at the intersection of Fort Union Boulevard and Wasatch Boulevard. One way to get there is to get on eastern I-215 and take the 6200 South exit. From that point follow the signs to Brighton and Solitude (although if you reach either one, you’ve gone too far). The Spruces is on a turnoff on the right side of the road about 10 miles from the canyon mouth. Tell the folks at the entry station that you’re with the radio group in “Area 7.” Our allotment of free parking is limited, so carpool as much as possible. If you arrive after our quota is used up you will either have to park along the highway and walk into Area 7, or pay a fee for parking. There will likely be folks listening on the club’s 146.62 repeater for talk-in.

The swap-meet portion of the event probably won’t rival other swap meets in the state, but if you have something you’d like to sell, it can’t hurt to bring it along. There should be 50-100 potential customers that will have a chance to see it.

People generally start arriving about 2 P.M. to talk and swap. Steaks typically go on the grill about 5. Although there will be paper plates and plastic-ware available, you might want to bring your own table service along. Steaks are easier to handle with a real knife and a real plate.

## **Latest News**

### **Our Cover**

To give a little of the feel of Steak-Fry time, our cover this month is from last year’s steak-fry. Club President, Clint Turner, KA7OEI, is tending to the meat. Other folks visible are Ralph Cravens, AC7J; and Bruce Fereday, KF7OZK. This year’s event is on Saturday, July 12.

### **No Meeting in August**

UARC doesn’t meet during the month of August. Our next Thursday evening meeting will be on September 11, when we will get to hear from Jon Utley, K7CO, telling us about his DXpedition to Christmas Island last March. Christmas Island is an island in the Indian Ocean with a population of

about 2,000. The name came from having been discovered on Christmas Day in 1643.

## 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
7-16	South Carolina	—
7-23	Indiana	Rhode Island
7-30	South Dakota	Kentucky

8-6	Vermont	New Jersey
8-13	Oklahoma	—
8-20	Ohio	North Dakota
8-27	Arizona	Maine
9-3	Tennessee	Oregon

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>.

## Awards Include Utahan

**By Brian Milesosky, N5ZGT, ARRL Rocky Mountain Division Director,  
and  
Dwayne Allen, WY7FD, Division Vice-Director**

Congratulations to Ed James, KA8JMW of Albuquerque, New Mexico; James Edwards, AB7XT, of Layton, Utah; and Alan Applegate, K0BG, of Roswell, New Mexico for being awarded the 2014 Rocky Mountain Division Ham of the Year, Rocky Mountain Division Young Ham of the Year, and Rocky Mountain Division Technical Achievement awards (respectively)!

Ed, KA8JMW, was first licensed over 36 years ago, and has served the amateur radio community around New Mexico and the Division in numerous ways: Co-founder of the Albuquerque Transmitter Hunters; organizer/co-organizer of several Jamboree On the Air (JOTA) events for troops in the Albuquerque area, technical administrator and/or adviser for several New Mexico D-STAR repeaters; presenter at New Mexico clubs, hamfests, and conventions on many relevant amateur radio topics including Field Day operations and logging, Logbook of the World, D-

STAR, Raspberry Pi and Amateur Radio Applications, and Mesh Networking and Amateur Radio applications; co-organizer of efforts that successfully exempted amateur radio from or defeated distracted driving legislation introduced in the 2013 and 2014 New Mexico legislative sessions; constantly encouraging and mentoring hams to become more efficient operators, engage in radiosport, and learn new technologies; and more. A lifetime member of the ARRL, Ed has served as an Assistant Section Manager for the ARRL's New Mexico Section and Assistant Director of the Rocky Mountain Division.

James, AB7XT, earned his first ticket four years ago at age 11, and upgraded all the way to Extra in the same year. Since then he has been quite involved within amateur radio through being active on the air, providing personal instruction to others wanting to earn their licenses as well as helping organize and teach theory at licensing

classes organized within his community. James is active within the 17-member Northern Utah Youth Amateur Radio Club (NUYARC) which he founded, serves as net control for a number of nets, and provides public service communications within his community. He is an active member of the Utah Amateur Radio Club, Davis County Amateur Radio Club, and ARRL.

[James is one of four licensed sons of Shon Edwards, K6QT. –Ed]

Alan, K0BG, has been licensed for over 44 years, and is regarded by much of the amateur community as a top technical expert in mobile amateur radio operations. He maintains an extensive website devoted to many practical and technical mobile operations topics (<http://www.k0bg.com/>), has published articles on the subject in *QST* magazine, the *ARRL Handbook* (you'll find sections on mobile antennas, mobile

battery selection, and mobile stations authored by Alan in the 2014 *Handbook*), as well as other forums, and regularly shares his knowledge in person as well as on eHam and QRZ. Googling his callsign results in numerous individual ham, club, and even non-ham websites that reference Alan's expertise and content found on his site.

Ed, James, and Alan will receive a great looking plaque recognizing their achievement and, if attending, will also be recognized at the 2014 ARRL Rocky Mountain Division Convention banquet (<http://www.dukecityhamfest.org/>).

A special thanks to those who nominated candidates for our Division's various awards as well as our judging panel which is composed of our Division's four Section Managers and appointed ARRL members of their choosing, one residing in each Section. A call for nominations for 2015's awards will be made later this year.

## License Examination Schedule

### Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
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 <sup>2</sup>	Gary O. Zabriskie, N7ARE	(435) 674-2678
07/29/14	(Tue.)	Salt Lake City <sup>3</sup>	Eugene McWherter, N7OVT	(801) 541-1871
08/02/14	(Sat.)	Salt Lake City <sup>1,4</sup>	Gordon Smith, K7HFV	(801) 582-2438
08/09/14	(Sat.)	Hurricane <sup>2</sup>	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 <sup>2</sup>	Gary O. Zabriskie, N7ARE	(435) 674-2678
08/26/14	(Tue.)	Salt Lake City <sup>3</sup>	Eugene McWherter, N7OVT	(801) 541-1871
09/17/14	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
09/17/14	(Wed.)	St. George <sup>2</sup>	Gary O. Zabriskie, N7ARE	(435) 674-2678

<sup>1</sup>Preregistration required. Check with the contact person before the test session.

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

<sup>3</sup>New location: Senior Center at the Columbus Center, 2530 S. 500 East

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

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

## **Member of the Month**

### **Susan Smith, KJ7ABC**

By Linda Reeder, N7HVF

This month we are featuring Susan Smith, KJ7ABC. Susan has been trained in CERT, the Community Emergency Response Team, since 2007. She was a volunteer supervisor for Salt Lake City CERT for four years. She thought it would be wise to be licensed in amateur radio. Susan and her husband, T. Mike Smith, took Eugene and Carol McWherter's Technician class in 2010. Both of them passed the Technician test in July of 2010. In March of this year Susan and Mike obtained their General licenses. Susan's call sign is KJ7ABC. She chose this vanity call because "J" is for "Juliet," a girl's name, and ABC is easy. Mike's call sign is KM7TMS. Susan resigned as supervisor for Salt Lake City CERT and became more involved in amateur radio.

In April, 2011, Susan started a radio net for the Southeast division of the Salt Lake Crossroads amateur radio club. There are four divisions: southeast, northeast, west, and east southeast. She does the net for the southeast division each Thursday night at 9 P.M. on 147.50 MHz simplex. All amateurs are welcome. This net talks about emergency communications and emergency preparedness. The club has a Yaesu digital

repeater running on 448.525 with a PL of 100 Hz.

Susan became President of the Salt Lake Crossroads Radio Club on February 1, 2014. All are welcome to join even if they don't have an amateur radio license, and non Salt Lake residents are welcome to join. Their web blog is <http://www.k7xrd.blogspot.com/>.

Susan really enjoys the hobby and supports Salt Lake City Emergency Management disaster communications. Susan also enjoys travel, photography, zoos, and museums. She also enjoys gardens. Susan is a member of UARC.

Susan works for the University of Utah in the Pharmacy Department. She works with a variety of pharmacies in Tooele including Stansbury Park, Park City, and Centerville. Susan and her husband, Mike, have three grown children: two girls and one boy. They have five and a half grandchildren and a son inlaw. Susan would like to see her grandchildren get into the hobby.

Susan, we wish you the best in all of your endeavors. Good luck with the Salt Lake Crossroads Amateur Radio Club.

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## **New Credits for Expired Licenses Effective 7-21**

The FCC's recent Report and Order regarding element credit for expired licenses will go into effect July 21. Under the new rules, holders of expired General, Advanced, or Extra Class licenses may get credit for Element 3 (General)

and, in the case of an expired Extra, Element 4 (Extra). They would still be required to pass the current Technician exam, Element 2. The Commission declined to extend the lifetime of CSCE certificates beyond their original one year.

## **Preliminary Field Day Report**

UARC entered the annual Field Day contest, June 28 and 29, from a site near Payson Lakes as planned. We haven't yet tallied up the score, but we made well over 1000 contacts, nothing major broke down, and the food was great.



A big change this year was the move of the 8-KW propane generator off the trailer holding the 80-foot tower and onto a new trailer that could also carry the shorter tower. This made the trailer with the big tower easier to tow and got its load within the manufacturer's rating.

Clint, KA7OEI, and Bryan, W7CBM, worked many hours in the weeks prior to Field Day to get the new trailer ready for service. In the photo above (provided by KA7OEI) Bryan does some of the required welding.

The trailer took its maiden voyage from Bryan's house to Clint's work in the wee hours of Thursday morning, June 26. Brett, N7KG, towed it to the Field Day site on Friday, the 27<sup>th</sup> after the propane tank had been filled. The official state of the trailer is usable and road-legal, but not in its ultimate configuration. The deluxe features should be ready by next year's Field Day.

Thursday and Friday were a bit unpleasant with rain and lots of sticky mud, but the weather was great on Saturday and Sunday, the actual contest days. CW operators were scarce, but some of the SSB operators seemed to cranking out contacts at very good rates. We'll know more after the logs have been studied.



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We had the only 80-foot tower in our neighborhood.

Thanks to Doug, WB7BBQ, who again provided some great barbeque offerings for the Saturday night potluck dinner and a pancake breakfast on Sunday morning. Thanks also to Lonnie, K7LO, who provided one of the operating tents and tent heaters and also looked after the “Get on the Air” (GOTA) station.



Chuck, WA7JOS, was responsible for various kinds of “bonus points.” In the photo at left, as part of a class on soldering, Chuck helps a junior op get the hang of it.

Chuck also took care of making sure we did message origination, W1AW bulletin copying, and contact making using clean power. Bonus points for 100% emergency power were rather a given as there was no commercial source within miles of the site.