

The *Microvolt*

December, 2015



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 2015 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://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>

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The Microvolt

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December Meeting: Ham Quiz and Elections

The December meeting is coming up, time for AB1IP's famous ham quiz! December 10 will be the night for some friendly team competition answering questions about ham radio ranging from those involving obscure technical points or details of operating events to those that involve simply what has happened in the last year.

Thursday, December 10, will also be the night for the annual election of UARC officers. If you've been considering running for an office, there's still time to volunteer. The existing nominations are listed on page 5. At the December meeting there will again be a chance to volunteer or to nominate people who might be good candidates for some of the offices. One caveat, though: you must have your candidates' permissions before they can be placed on the slate.

Once the slate of nominees is established, there will be a chance for the candidates to stand up and introduce themselves, so you will have the opportunity to see who they are.

The meeting will be on Thursday, December 10, at 7:30 P.M. in room L103 of the Warnock Engineering Building. To reach the "L" three-digit numbered rooms, take the elevator in the southwest corner of the main floor down to level "L1." (The elevators near the east entrance don't go there!)

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, 2015, meetings will be in room L103 on level "L1." 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. The December get-together will be at "The Village Inn," 910 E. 400 South in Salt Lake City.

Latest News

Our Cover

Our cover this month shows the two gentlemen who presented our November program on digital voice modes. On the left is Chris Andrest, KC7WSU, and on the right, Roger Davies, N6DVZ. (Thanks to K7RLS for the photo.)

January License Classes

We will be teaching Technician, General, and Extra license courses starting in January. The Technician course will start on Monday, January 18th. The General course will start on Tuesday, January 19th, and the Extra course will start on Wednesday January 20th. All courses will start at seven PM and will be taught at the home of Morris Farmer, about 5000 South and 1500 East. The Technician and General courses will run for about 8 weeks and the Extra course will run for roughly 16 weeks. There is no charge for any of the courses; however, there is a charge for the text, the ARRL License Manuals. The manuals will cost \$30.00 each and the proceeds go to UARC, they will be available at the class.

The instructors for the Technician and General courses will be Morris Farmer, AD7SR, and Bill Rouleau, AE7UI. The instructors for the Extra course will be Ron Speirs, K7RLS, and Morris Farmer, AD7SR.

If you are interested in taking one of these courses or have any questions, send email to Morris Farmer AD7SR at f.morris1@comcast.net.

VHF Society Swap Meet 2016

The annual Utah VHF Society Swap meet will be held at 9 A.M., Saturday, February 27, 2016. This annual event is typically the biggest amateur radio

swap meet in the state. Admission is free to VHF Society members, and it will be possible to join at the event. There will be a charge for admission for non-members and for display tables.

Location will be the Legacy Events Center in the Farmington Fair Park, the same place as for the last several years.

The Society gives financial support to a large group of repeaters. This is particularly valuable for repeaters which must be supported by towns having a relatively small ham population. The Society also provides frequency coordination for the state of Utah.

For more information see the UVHFS web site at: <http://www.utahvhfs.org/>.

Wasatch Front Hamfest for 2016

A few more details are now available about the Utah Hamfest for the summer of 2016. It is to be called "The Great Salt Lake Hamfest 2016." Never fear, it won't be held in the Great Salt Lake. The location will be the Salt Lake Community College, Miller Campus, 9750 S 300 West.

The dates of the event will be Friday and Saturday, July 8 and 9. The program will include seminars, contests, swap meet, dealers' displays, and a special event station.

Mel is looking for volunteers to help plan the event. Anyone interested should contact Marvin Match, KA7TPH, mvmatch@ece.utah.edu. The official web site is at: <http://www.thegreatsaltlakehamfest.org/>. It includes a questionnaire that you can use to express your opinions on what kind of hamfest would be the most attractive to you.

Elections for 2016 Officers

Our December 10 meeting will include elections for UARC officers for the coming year. In accordance with the bylaws, the nominating committee's choices were presented at the November meeting and attendees were given an opportunity to make nominations from the floor. The resulting list of nominees is as follows:

President:	Clint Turner, KA7OEI
Executive Vice-President:	Lonnie Oaks, K7LO
Vice-President:	Bruce Fereday, KF7OZK
Secretary:	Dick Keddington, KD7TDZ
Treasurer:	Chick Johnson, WA7JOS
Program Chairpersons:	Chuck DeWitt, W7DTO Morris Farmer, AD7SR
Microvolt Editor:	Gordon Smith, K7HFV
Assistant Editor:	Ricky Asper, AC7RA

All the candidates have been offered space to give us a campaign statement or short biography. The following were received:

Lonnie Oaks, K7LO (for Executive Vice-President)

I have been a ham since 1961 but I never got active until about 20 years ago. I have served as a Field Day Chairman and I do enjoy the UARC club and activities.

After graduating from the University of Utah, I served as an Air Force officer on active duty and in the reserves for 28 years. A few years ago I retired from retail sales. I currently serve as Chairman of the Board of AVERT (Association of Volunteer Emergency Response Teams), which supports CERT..

Richard Keddington, KD7TDZ (for Secretary)

Thanks for the opportunity of serving you as the Club Secretary. I appreciate your confidence in me. I am willing to continue in this position if you as a club re-elect me.

Thanks again for your friendship.

Chuck Johnson, WA7JOS (for Treasurer)

The club secretary maintains the membership database, prepares *The Microvolt* mailing lists, and performs other duties.

I have been pleased to serve as UARC Treasurer for the past 20 years. I am running to continue serving in that position.

I've been a ham since 2002, and upgraded to General in 2005. I particularly enjoy UARC Field Day activities, and have an interest in emergency radio communications.

As treasurer, it is my job to spend your dues in support of UARC functions. It's easier to spend someone else's money than your own. :-)

I have been a ham since 1967 and have held the license classes of Novice, General, Advanced, and since 2000, Extra. I am also active as a VE examiner.

I spent my career as an Electrical Engineer and have been retired since 2009. I now enjoy making sawdust in my wood shop.

Morris Farmer, AD7SR

Chuck DeWitt, W7DTO

(for Program Chairpersons)

Chuck DeWitt, W7DTO, and I have served as Program Chairs for the past 3-4 years and have enjoyed finding what we hope are interesting people to speak to the club on topics that we hope are of general interest. We would be glad to continue in that position for another year. We would however ask that you participate in helping to selecting new topics for presentation by sending either me or Chuck suggestions, and hopefully someone you might have in mind that would be a presenter.

Thanks for your confidence in us.

Gordon Smith, K7HFV

(for *Microvolt* Editor)

Hi. I'm Gordon, the one that puts this newsletter together each month. I did my first year as Editor in 1963 and have produced quite a few issues since then, although I had a wonderful 20-year vacation at one point.

I got my first license, a General, in 1959, while still in junior high school. I upgraded to Advanced in the

60's (I think) and Extra in the 70's. I've had fun on AM, SSB, CW, and RTTY over the years but have been mostly on 2-meter FM recently. I had a hand in building the UARC repeaters and like to keep track of them.

If you elect me for another term as Editor, you'll probably have to put up with the same low-quality journalism you've come to expect. What would make a big improvement, though, would be to get more input from our members. I think a lot of you are doing interesting things in various aspects of the hobby that others would enjoy reading about. Are you involved in an interesting facet of the hobby that most people aren't familiar with (e.g. Allstar, traffic handling, EME, microwave, aurora)? What's going on in those areas? Were you the first one to try out a new model rig or an unusual kind of antenna? Did you have a lot of fun in a public service event? Have you created a novel device or piece of software? Were you the only Utah entry in a contest? Has your emergency group found some beneficial ways to prepare and train? *Tell* us about it.

We're pretty flexible in how we take information. If you'd like to write an article or a monthly column, that's fine. Equally good is a telephone call or an e-mail with the raw facts. We'll fix up the spelling and grammar and delete the expletives for you. But make *The Microvolt your* paper.

The Class of 11/16/2016

By Morris Farmer, AD7SR

What makes this graduating class of newly minted Hams so interesting? Well ... three things; first look at the faces; *many* of them are women, six of thirteen. Second, there are two quite young graduates, aged 10 and 13. The third thing that I am especially proud of is that not only was there a 100% passing rate, but virtually all of them scored very high, several with 34 of 35 questions right and one perfect score. Here are their pictures, from left to right they are: Technician: Elisabeth Barry, KG7ZFK; Lou Carroll, KG7ZFL; Merlene Cook, KG7ZFM; Cynthia McCandless, KG7ZFN; Leslie Schimmel, KG7ZFO; Alan Schroedl, KG7ZFP — Alan passed both the Technician and General exams; Veldon Sorensen, KG7ZFQ; and Christa Thompson, KG7ZFR. General: Steven Whitney, KG7USV; John Whitney, KG7USW; Brian Whitney, KG7USV holding his door prize for getting a perfect score on his exam; Allison Weiss, KG7YGG, and Spencer Tycksen, KG7YHC. Congratulations to all for their hard work!

The Microvolt December 2015



**Member of the Month
Tom Kamlowsky, WA7ZRG**

By Linda Reeder, N7HVF

This month we are featuring Tom Kamlowsky, WA7ZRG. Tom received his Novice license when he was in the seventh grade in Montana. It was Tom's father, Frank Kamlowsky, W7MKB, who got

Tom interested in amateur radio. Tom's father has his Extra Class license and was very active in amateur radio at the time. Tom's father would always take Tom to the ham club meetings.

After high school Tom relocated to Salt Lake City and started college at the University of Utah in electrical engineering. He also upgraded his ham license through Technician, General, and then to Advanced class. During this time Tom was very active in amateur radio. He QSL'd hundreds of contacts on the Bicentennial WAS net (3905 kHz), attended all UARC meetings, competed in several homebrew contests and hung around with Gordon Smith, K7HFV; John Dehnel, WA7UUI; Randy Finch, K7SL; Tom Wing, W7ETR; et al. This gang of hams would go on winter jeep safaris in the San Rafael Swell and use HF radio to communicate between vehicles and to well-wishers back in Salt Lake City. Tom's favorite bands are 75 and 40 meters. He almost got his worked all states award.

Then College, work, and family left Tom with little time, and as a result he became less active in ham radio. Some would say he was seldom seen.

In 1982 Tom graduated from the University of Utah with a BSEE degree in electrical engineering and went to work for Sperry Univac. This company has changed its name several times through the years; it is now called L3 Communications.

Working and raising a family didn't leave much time for amateur radio, but that changed recently. Two years ago, after thirty plus years of employment at L3 as an engineer, Tom retired. Now Tom is back in amateur radio and really enjoys it. He has started attending UARC meetings again, participates in the Wednesday night hikes, and enjoys tinkering with various antenna designs. Other hobbies Tom enjoys include mountain biking, sail boating in San Francisco, and playing the accordion.

Tom and his wife, Chris, have been married for 35

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years and have one son, Steve, who also graduated from the University of Utah and is employed as a civil engineer in Saint George, Utah.

Tom, welcome back to amateur radio.



Field Day Results

The results are in from last June's national Field Day contest. UARC has reason to be proud. We were the highest scoring club from the 7th call area that entered the 3A category, one of only two Utah entries with QSO totals in the four digits, and the Utah station with the highest percentile within its class. See: <http://user.xmission.com/~uarc/announce.html#utfd15> for the complete rundown.