

The *Microvolt*

December, 2018



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 \$20 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 Tom Kamlowsky, 4137 Clover Lane, Salt Lake City, UT, 84124-2711.

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: Tom Kamlowsky, 4137 Clover Lane, Salt Lake City, UT, 84124-2711.

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 \$20 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 \$20 may obtain a membership without a *Microvolt* subscription for \$12. Send dues to the Club Secretary: Tom Kamlowsky, WA7ZRG, 4137 Clover Lane, Salt Lake City, UT 84124-2711. Let the Secretary know if you prefer the electronic edition of *The Microvolt* instead of the printed version.

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 2018 Board

President: Morris Farmer, AD7SR	801 278-4966
Executive VP: Lonnie Oaks, K7LO	801 255-1225
Vice Pres: Bruce Fereday, KF7OZK	801 883-9428
Secretary: Tom Kamlowsky, WA7ZRG	801 505-9134
Treasurer: Chuck Johnson, WA7JOS	801 268-0153
<i>Microvolt</i> Editor: Gordon Smith, K7HFV	801 582-2438
Asst. <i>Microvolt</i> Editor: Rick Asper, AC7RA	801 865-1693
Program Chairperson: Robert Jelf, KG7OHV	385 252-7900
Program Chairperson: Laird Severinsen, WB7TGP	801 255-0834
Imm. Past President: Clint Turner, KA7OEI	801 566-4497

Committee Chairpersons and Members

Bookseller: Rick Gregory, JKG7GOW	801 582-7783
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>

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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December Meeting: FM Operating Procedures

The next UARC meeting, to be held on Thursday, December 13, will include election of 2019 officers, and a presentation by Gordon Smith, K7HFV, on operating procedures for the beginner and those who will need to teach beginners.

There are a number of common beginner misconceptions and it may help all of us to watch out for them and help to dispel them. We will look at questions such as:

- Why can't I cure my low audio by putting up a better antenna? or
- Doesn't it mean I'm getting out better on the Intertie if I get a report from Pocatello than just one from Salt Lake? Or
- Why do I get a received signal indication on the '62 repeater but can't hear anything?

The meeting will also feature election of club officers for 2019. The nominating committee's choices were presented in the November meeting. There will be a final opportunity at the December meeting for additional nominations from the floor.

The meeting will be on Thursday, December 13. Location will be room 1250 (main floor) in the Warnock Engineering Building on the University of Utah campus.

See <http://user.xmission.com/~uarc/meetmap.html> for a map and 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 Rick, the book seller
- 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. It is held at “The Village Inn,” 910 E. 400 South in Salt Lake City.

Latest News

Our Cover

The scores from last June's nationwide Field Day operating event became available in mid-November and are published in the December

issue of *QST* magazine. Our cover photo is from UARC's entry near Payson Lakes. See page 7 for more information on how UARC did compared to other Utah entries.

Whether we can use our traditional site for the 2019 Field Day is still in question due to damage by fires. We will know more in the spring.

January License Classes

Starting in January, UARC President, Morris Farmer, AD7SR, along with Bill Rouleau, AE7UI, and Ron Speirs, K7RLS, will conduct classes for those seeking a new or upgraded amateur license. Classes will meet weekly, from 7 to 9 P.M. at Morris' house. The only cost is for the text that will be used: the ARRL *License Manual* for the appropriate class of license.

The schedule is as follows:

License Class	Day of Week	Starting Date
Technician	Mondays	1-14-19
General	Tuesdays	1-15-19
Extra	Wednesdays	1-16-19

Space is limited, so anyone interested should contact Morris at: ad7sr@comcast.net as soon as possible.

Elections

At our November meeting the following nominations for 2019 officers were presented to the UARC membership:

- For President:
Morris Farmer, AD7SR
- For Executive Vice-President:
Lonnie Oaks, K7LO
- For Vice-President:
Bruce Fereday, KF7OZK
- For Secretary:
Tom Kamlowsky, WA7ZRG
- For Treasurer:
Chuck Johnson, WA7JOS
- For Program Chair Persons
Robert Jelf, KG7OHV

- Laird D. Severinsen, WB7TGP
- For *Microvolt* Editor:
Gordon Smith, K7HFV
- For Assistant Editor
Ricky Asper, AC7RA

At the December meeting there will be an opportunity for further nominations, and, if necessary, ballots will be cast. If balloting is necessary it is predicted that not many recounts will be requested and the results may be known at the very same meeting when the election took place.

From the Ashes of Ra-Elco

Many who frequented Ra-Elco Electronics (2780 S. Main in Salt Lake City) for electronic parts were sorry to see the building burn last June. It was essentially a total loss. The owner was Robert Gunnell, son of the founder, Ray Gunnell, who started the business in 1972.

It has recently been reported that Robert has now purchased Standard Supply Company. We will be watching for more developments.

UVHFS Swap Meet

The Utah VHF Society has announced its annual membership meeting and swap meet to be held on Saturday, February 23, at the Davis County Fairgrounds in Farmington. This is typically the largest swap meet for the year in Utah. Starting time is 9 A.M. Those that need time to set up displays may come as early as 8 A.M. Admission is free to members. Details of non-member rates and rates for a display table will be forthcoming. Watch <http://www.utahvhfs.org> for more information.

The VHF Society does repeater frequency coordination for Utah and gives financial support for many repeaters in Utah and Idaho. Because its membership is spread out over the state, the

Society limits its in-person business meetings to this single-event each year.

Director. These two hams will serve the remainder of the current term, which runs through 2019.

Changes in RMD Leadership

The American Radio Relay League (ARRL) divides the country into 16 division, each of which elects a member of the League's Board of Directors. Utah belongs to the Rocky Mountain Division along with Colorado, New Mexico, and Wyoming. During October, Wayne Allen, WY7FD, of Sundance, Wyoming, resigned as Rocky Mountain Division Director. As dictated by the Articles of Association, the Vice-Director, Jeff Ryan, KØRM, of Westminster, Colorado became the new Director. Members who want to express opinions on how the League should operate should send their ideas to Jeff.

Jeff's move to Director left the Vice-Director position open. On November 20, the ARRL President appointed Robert Wareham, NØESQ, of Highland Ranch, CO, to become the new Vice-

Digital Conference in February

The third annual Utah Digital Communications Conference has been announced. It will be held on Saturday, February 2, 2019, at the Salt Lake Community College, Miller Campus, at 9750 South 300 West in Sandy, Utah.

The conference will feature a number of presentations on both digital voice and digital text modes. Featured in particular this year will be digital modes for emergency communication, and homebrew possibilities in the digital world. Admission cost is \$15. To register go to Event Bright at:

<https://www.eventbrite.com/e/utah-digital-communications-conference-2019-tickets-52509019892?invite=&err=29&referrer=&discount=&affiliate=&eventpassword=>

You may also contact John Jacobs, W7DBO, at: <mailto:johnwjacobs@gmail.com>.

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
12/01/18	(Sat.)	Salt Lake City ^{1,4}	Gordon Smith, K7HFV	(801) 582-2438
12/01/18	(Sat.)	Logan	Richard D. Elwood, KE7GYD	(435) 753-4360
12/05/18	(Wed.)	Clearfield	Joe Giraud, N7JEH	(775) 777-4798
12/08/18	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	N/A
12/19/18	(Wed.)	Provo ⁵	Steve Whitehead, NV7V	(801) 465-3983
(St. George and Taylorsville sessions omitted in December)				
01/16/19	(Wed.)	Provo ⁵	Steve Whitehead, NV7V	(801) 465-3983
01/16/19	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
01/28/19	(Mon.)	Talorsville ^{3,5}	Garth Wiscombe, W7PS	(801) 558-5936

¹Preregistration required. Check with the contact person before the test session.

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

³New location is the Taylorsville City Hall, 2600 Taylorsville Blvd, Room 110

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

⁵Preregister by going to <http://www.hamstudy.org/sessions/> and finding the session date.

More details at <http://user.xmission.com/~uarc/testinfo.html>.

Statements from 2019 Nominees

With UARC elections coming up we refer to the bylaws which state: "The nominees are encouraged to present a short autobiographical sketch or campaign letter to *The Microvolt* for publication in the December issue." Here are statements from the nominees who responded.

For Secretary:

Tom Kamlowsky, WA7ZRG

Thank you for the opportunity to serve as your club secretary for the past year. I appreciate your confidence and if you re-elect me for UARC secretary I will continue to do my best as secretary while promoting the interests of the club membership.

The club Secretary keeps and maintains the membership database, collects and deposits UARC and ARRL membership dues, prepares *The Microvolt* mailing list and website membership roster, participates and keeps minutes at the monthly UARC board meetings.

I have been a ham radio operator for 50 years, first licensed as a youth when I lived in Montana. I came to Salt Lake City in 1973 to attend college and completed my electrical engineering degree at the University of Utah. I worked as an engineer for 35 years at L3 Communications and retired in 2013.

I enjoy ham radio and will be dependable as secretary for UARC. I have the technical training, organizational skills, computer savvy, and knowledge to help the UARC board members and the club. I appreciate the many friends I have made in the ham community and look forward to serving as UARC Secretary.

For Treasurer:

Chuck Johnson, WA7JOS

I'm Chuck Johnson, WA7JOS, and I have been pleased to be your UARC Treasurer for the past 23 years. I am a retired engineer, so numbers are my friends.

Our club is on good financial footing, but we could always use more members. Please encourage your friends to join and support our club.

We could also use some younger members as part of our leadership. Please volunteer for the board, to be an Elmer (mentor), or to help with any of the various club committees. Many hands make light work.

For Program Chair Person:

Laird Severinsen, WB7TGP

I have been a ham since 1978 and served the Utah Amateur Radio Club the past year as one of two Program Chairs. Shared with Robert Jelf, the Program Chair responsibility is the topic and presenter for UARC meeting nights. Hopefully you have enjoyed presentations this past year. However, it is your club. If you have topic suggestions, new ideas, or presenter please let us know.

Thank you for the opportunity to serve you. I have enjoyed working with club members, the UARC board, meeting other hams, participating in Field Day, and discovering amateur radio topics of interest. If re-elected I am willing to continue another year.

Field Day Results

Results of the annual national Field Day “operating event” (which bears a striking resemblance to a contest) appeared in the December issue of *QST* magazine, a month later than in recent years. Based on raw score, UARC came in second among 31 Utah entries. The top scorer was the Davis County Amateur Radio Club (K7DAV) operating in the four-transmitter portable class. They made 2072 contacts for a total

of 7258 points. UARC, operating in the three-transmitter class made 1732 QSOs yielding a score of 5950 points.

Based on percentile within each entry class UARC came in second among Utah portables, 34th place among 346 nationwide entries in the 3A class. Check “Current News” on the UARC web site for a full breakdown of Utah scores.

Member of the Month

Daniel Hunt, W7YTF

By Linda Reeder, N7HVF

This month we are featuring Daniel Hunt, W7YTF. Daniel got interested in amateur radio in 1986 when he was attending high school at Union High in Roosevelt, Utah. He had a math teacher who was very active in amateur radio and encouraged his students to get their ham radio licenses. Daniel obtained his Novice license. He tried to get his Technician license several time but didn't succeed. Having a Novice license was a challenge because, back then, the only mode available to you was using the Morse Code. Daniel said he had a hard time making contacts because people didn't like to talk to a slow sender.

In 1987 Daniel received the most wonderful birthday present. The FCC decided to let Novice class operators have voice privileges on ten meters. They can use 28,300 to 28,500 kHz. This caused lots of excitement at Union High. Someone had donated an HF rig to the high school and the students were spending hours after school making contacts all over the world. They even talked to Japan. After graduating from high school Daniel let his Novice license expire. 20 years later Daniel got back into the hobby.

Daniel wanted to be an electronic engineer so he went to school. However Daniel got distracted and

started his own printing business. He did graphic art, imaging, and laser printing. Daniel was in this business for about 10 years. Then Daniel met Wendy. They got married and they decided to go into the trucking business. Both of them got their truck driving licenses and went truck driving through 48 states. They continued for one year.

Wendy and Daniel have adopted two children: a boy and a girl. They are both three years old, just ten weeks apart. This really keeps the parents busy. Daniel is still a truck driver driving here locally.

Daniel finally got back into amateur radio. He studied really hard and obtained his Novice, Technician, and General licenses. He said that this time the theory was easy because of his schooling in electrical engineering. He is now studying to get his Extra.

When Daniel got back into the hobby he was very active in emergency communications. It was his Stake President in the LDS church who influenced him to get into emergency communications. Daniel's Stake President is thinking about having Daniel be the the Communication International Specialist.

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Daniel realized that there are other facets in amateur radio that make amateur radio lots of fun. Daniel enjoys getting on the roundtable on the 146.62 repeater while he is truck driving. Some times he just listens and some times he joins in. He also likes to get on the Intermountain Intertie.

Daniel has a base station in his home and a couple of hand-helds but no HF rig. He is excited about the new UARC remote amateur radio station because it enables him to make contacts on the HF bands. A couple of weeks ago Daniel assisted Gordon Smith, K7HFV, Clint Turner, KA7OEI, and Gary Crum, KK7DV and went to Leamington to work on the remote station. (Leamington is west of Nephi between Eureka and Oak City.)

Daniel is a member of UARC. Another hobby

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Daniel enjoys is remote controlled airplanes. Daniel is also active in the LDS church as Ward Clerk in his ward.

Daniel, welcome back to amateur radio. We wish you the best in getting your Extra Class license.



Daniel Hunt, W7YTF