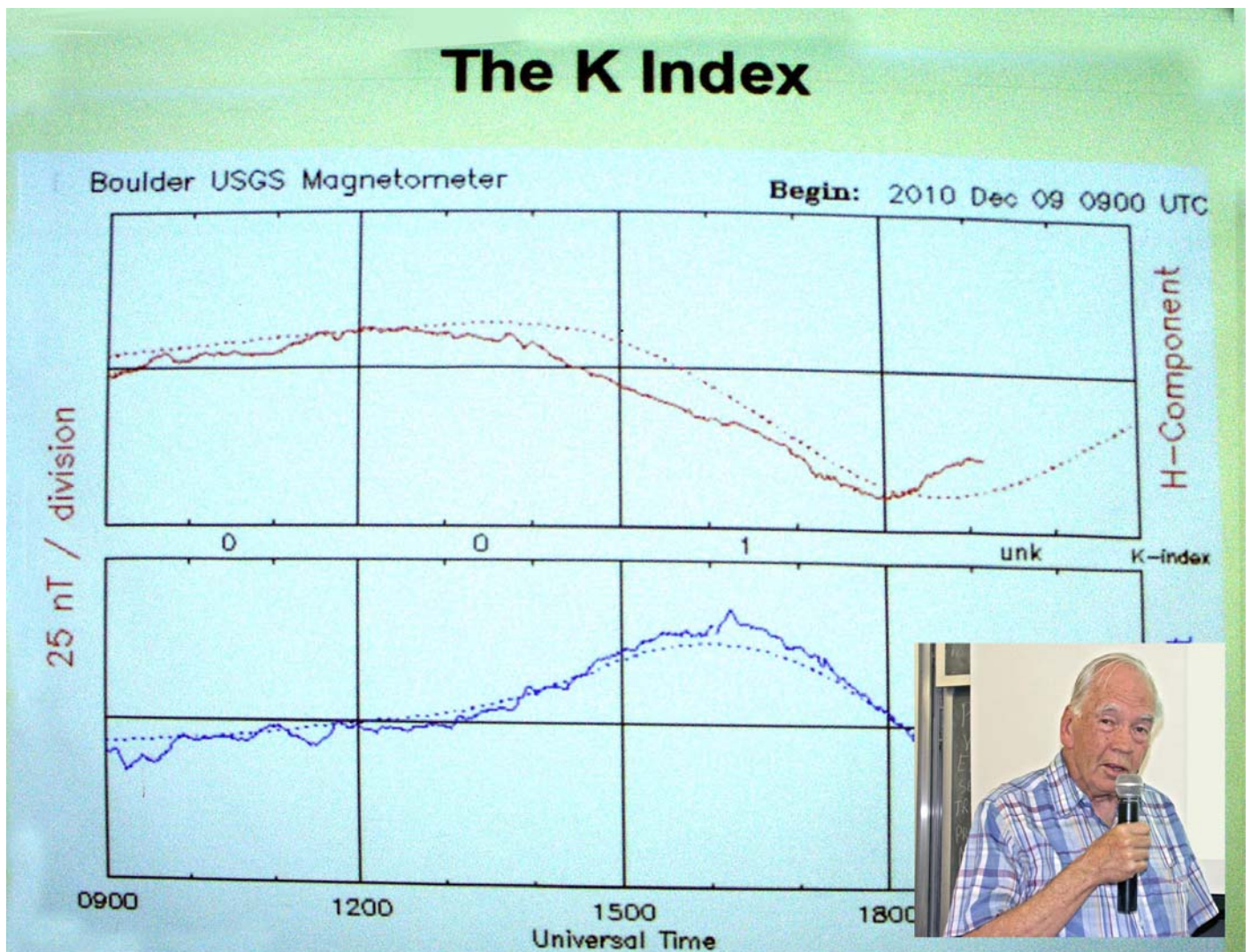


# The *Microvolt*

December, 2017



## 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 Kamlowksy, 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 Kamlowksy, 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 Kamlowksy, WA7ZRG, 4137 Clover Lane, Salt Lake City, UT 84124-2711.

**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 2017 Board

President: Clint Turner, KA7OEI	801 566-4497
Executive VP: Lonnie Oaks, K7LO	801 255-1225
Vice Pres: Bruce Fereday, KF7OZK	801 883-9428
Secretary: Tom Kamlowksy, WA7ZRG	801 272-3159
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: 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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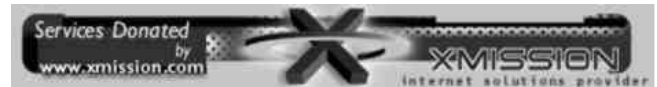
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## IRLP Information

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

The Official Publication of the Utah Amateur Radio Club, Salt Lake City, Utah  
Volume 60, Issue 11, December, 2017

# December Meeting: Morse Code for Those in Post Puberty

Morse code has been a challenge for many new and older licensees. While no longer a requirement for licensing, it is still one of the most effective method of getting your signal out. With the right methods, maybe the code is not as much of a challenge as people like to believe. At the December 14 UARC meeting DXer Bob Carter, WR7Q, will be telling us how to learn the code and why.

Bob is the one who gave us the fine program on DX last January. He will tell us about programs, web sites, and various other methods of mastering the code. Bob says, "Learning the code is not easy; however, if you seriously want to be able to do this and are willing to commit, you will succeed."

December is also election month where we will be choosing officers and directors for 2018.

The meeting will take place at 7:30 P.M. on Thursday, December 14, in room L-103 (level L1) of the Warnock Engineering on the University of Utah campus. Take the elevator near the southwest corner of the building. (The elevators near the east entrance do not 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. See the map at <http://user.xmission.com/~uarc/meetmap.html> for information on finding the building. (The room number varies through the year depending on availability.)

Of course, the meeting will include the "standard" meeting features:

- Availability of ARRL books from Brett or John, the "book ladies"
- 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

Our cover this month is from the November meeting. Our scheduled presenter became ill and

was unable to attend, so instead of the scheduled program we repeated one from several years ago about propagation and what the numbers mean.

## Nomination Results

As prescribed by the bylaws, nominations for 2018 UARC officers made by the nominating committee were presented at the November meeting and additional nominations were accepted from the floor. The resulting slate of nominees is as follows:

For President:

Morris Farmer, AD7SR  
Robert Jelf, KG7OHV

For Executive Vice-President

Lonnie Oaks, K7LO\*

For Vice-President:

Bruce Fereday, KF7OZK\*

For Secretary:

Dan Gibb, N7GIB  
Tom Kamlowky, WA7ZRG\*

For Treasurer:

Chuck Johnson, WA7JOS\*

For Program Chairpersons

(Two to be elected):  
Robert Jelf, KG7OHV  
Laird Severinsen, WB7TGP

For *Microvolt* Editor:

Gordon Smith, K7HFV\*

For Assistant Editor:

Ricky Asper, AC7RA\*

(Asterisk indicates incumbent.)

At the December meeting the floor will once again be opened for nominations and then elections will take place by secret ballot.

## License Classes

Morris Farmer, AD7SR, has announced January classes for those interested in getting a first amateur

radio license or upgrading their license class. The starting dates are as follows:

License Class	Night	Starting Date
Technician	Mon.	1-15-2018
General	Tue.	1-16-2018
Extra	Wed.	1-17-2018

The classes will meet each week. The classes for Technician and General licenses will run for 6-8 weeks. The one for Extra Class license will run somewhat longer.

Classes are held at Morris' home in the Holladay area. The only charge is for the text book which will be available on the night of the first class session.

For more information or to sign up for a class, send email to Morris at <mailto:f.morris1@comcast.net>.

## The Electronic *Microvolt*

Some time ago we talked about the possibility of getting this publication to members electronically instead of on paper via postal mail. A number of members indicated they would be interested in that option. We believe we are finally able to offer it.

First, we want to emphasize that signing up for the electronic version is entirely optional. We know that some (your editor included) prefer the paper medium and we don't intend to stop publishing in that format any time soon. But some may prefer the electronic format for its speed of delivery and the ability to read it on a variety of devices.

Here's how it would work. As soon as each month's edition is ready, an email would be sent out to all members who had signed up. This email would contain a link to the on-line edition. This link would not be available to the general public. The link would go out at about the same time that the paper edition was being mailed, so the electronic subscribers would be the first to have access to it.

If a reasonable number of members would be satisfied with electronic delivery it would save the club some money in printing and postage expenses. If you would like to take the electronic option just get in touch with our club Secretary by phone (see inside front cover), e-mail (<mailto:wa7zrg@yahoo.com>), or in person at a meeting. Give him the email address at which you would like to receive your notifications, and that's all there is to it.

For those who would prefer to keep receiving the printed edition, you need take no action. Utah Section Manager Mel Parkes, NM7P, tells us that we are the only club left in Utah to publish such a thing. We intend to continue as long as there is interest.

## License Examination Schedule

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

Date	Day	City	Contact Person	Phone
12/02/17	(Sat.)	Salt Lake City <sup>1,4</sup>	Gordon Smith, K7HFV	(801) 582-2438
12/02/17	(Sat.)	Logan	Richard D. Elwood, KE7GYD	(435) 770-7050
12/06/17	(Wed.)	Clearfield	Mike Youngs, KK7VZ	(801) 573-3922
12/09/17	(Sat.)	Hurricane <sup>2</sup>	Gary O. Zabriskie, N7ARE	N/A
12/20/17	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
01/17/18	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
01/17/18	(Wed.)	St. George <sup>2</sup>	Gary O. Zabriskie, N7ARE	N/A
01/29/18	(Mon.)	Taylorsville <sup>3</sup>	Garth Wiscombe, W7PS	(801) 558-5936

<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 is the Taylorsville City Hall, 2600 Taylorsville Blvd, Room 110

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

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

## Statements from Nominees

UARC bylaws say that nominees for office should be encouraged to submit a “short autobiographical sketch or campaign letter” for the December issue of *The Microvolt*. We have sent emails of encouragement and received the following statements:

### For President: Morris Farmer, AD7SR

After having been interested in Ham radio for 40 years, I finally took and passed the exam for my Technician license in December of 2005. I upgraded to General the following August, and obtained my Extra Ticket in March of 2008. I have been a member of the ARRL and UARC since

early in my career. For the past five years I have been on the UARC Board as one of the two Program Chairs. I hope you have enjoyed those that have given presentations during that time.

My main interests in ham radio are working on and building antennas, building various “fun projects”, participating in various nets, and teaching ham license classes. We are very proud

of the fact that we have a 90%+ record of our students passing their license exams.

I am the primary NCS for two nets. The U.S. Coast Auxiliary Division Seven Ham Net (*long title!*), on the intertie at 6:30 PM Wednesday evenings. Also I re-started the Six-Pack Net on 50.150 MHz at 9:00 PM on Friday evenings. Hopefully you've joined us on one or both nets. I am also an active member of the Utah Beehive Net, the Hi Noon Net, the Noontime Net, the 2M SSB Net, two USCG nets (one SSB and the other digital), the UVHFS Net, and the Tri-County nets.

I have been a member of the US Coast Guard Auxiliary (a voluntary organization similar to the CAP) for over 30 years. I have had extensive leadership experience, holding most appointed positions and having been elected to all of the elected offices from Flotilla Vice Commander thru Division Commander as well as holding some District positions. I currently serve as the Utah Division COMMS officer.

I hope you will find me qualified to become UARC President.

**For President:  
Robert Jelf, KG7OHV**

Hi Everyone, I am the new kid on the block as far as Ham Radio experience. I got my Technician license through Extra within three months in 2014. I would like to expand my horizons and contribute more to UARC and the ham community. In that effort, I have been actively involved in being a VE and have attended the last three Field Day events. I am one of the coordinators and educators in MESH networking and have actively participated in those activities around the Wasatch 100.

I enjoy antenna modeling, DXing and Contesting. Each of these activities requires a certain amount of dedication and planning and I have offered to be an Elmer to some of the newbies in the hobby.

In any area of the club that I could be of benefit, I would be proud to serve.

**For Secretary:  
Tom Kamlowsky, WA7ZRG**

Thank you for the opportunity to serve as your club secretary for the past six months. I appreciate your confidence and if you re-elect me for UARC Secretary I will continue to do my best in the office 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, and participates and keeps minutes at the monthly UARC board meetings.

I have been a ham radio operator for 49 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 Program Chairperson:  
Laird Severinsen, WB7TGP**

Hello, I'm Laird Severinsen, WB7TGP, and have time to give back to Amateur Radio and UARC. I would like the opportunity to serve the club as a Program Chair. I was licensed as a Novice in 1967 and again in 1977 with a Technician license. I was active on and off during the years and currently

hold the Extra Class license. I am a member of UARC, ARRL, UDXA, and UVHFS.

Technical College, University of Utah, Westminster College, and University of Phoenix.

I retired recently after 43 years with the phone company, (*all* of them: Mountain Bell, U S West, Qwest, and CenturyLink). I attended Utah

I enjoy Field Day, Hamfests, HF activity, travel, theater, and learning new things. After listening to Gordon on 146.62 discuss the U of U Osher program, I signed up.

## Field Day Results

Field Day scores for last June have been published! Listings for amateur radio's largest operating event appeared this year in the December issue of *QST* magazine, a month later than in many recent years. With over 3,000 entries from all over the U.S. and Canada it's not surprising it took ARRL awhile to sort through it all.

raw score from the state at 6,172 points. We don't have space this month to list the full Utah results, but will be posting it on the UARC website at:

<http://user.xmission.com/~uarc/announce.html#fdut17>.

There were 31 entries from Utah this year and we were happy to see that UARC's W7SP entry had the largest

There will also be listings by percentile within each station's entry class. Below, however are the top few entries:

<b>Top Utah 2017 Field Day Entries</b>									
#	Call	Score	Cat	QSOs	Pwr Mult.	GOTA Call	Sec	Participants	Club
1	W7SP	6,172	3A	1,835	2		UT	98	Utah ARC
2	K7DAV	4,504	3A	944	2	N7CN	UT	44	(Davis County ARC)
3	K7UM	4,456	1D	1,426	2		UT	3	(Utah DX Assn)
4	K7UVA	4,236	3A	1,237	2	K7GSL	UT	55	(Utah Valley ARC)
5	N7U	3,452	5A	637	2		UT	75	Rainbow Canyons ARC
6	WA7LNW	3,336	2D	1,229	2		UT	2	
7	W7RCH	2,642	1F	432	2		UT	16	Cottonwood Heights ARC
8	W7IVM	2,570	5A	703	2		UT	60	Bridgerland ARC

## Member of the Month

**Nathan Alldredge, KI7JDJ**

**By Linda Reeder, N7HVF**

This month we are featuring Nathan Alldredge KI7JDJ. Nathan lived and grew up in Saint George, Utah, where he was very active with the scouts. Nathan's scout leader was a ham radio operator. Nathan received his amateur radio merit badge.

Day. It is more than just asking for a call sign and how many stations you are running. When an individual is making a contact he needs to actually have a QSO. He needs to know where the other station is located, what kind of amateur equipment is it using, how many stations are they running and which scout troop are they members of.

Getting a ham radio merit badge requires some extensive effort. It requires making contacts with other scouts in quite a different way from Field

Nathan thought it was wonderful that you could communicate around the world. He was impressed. and wanted to get his amateur radio license, but education and raising a family put ham radio on the back burner for awhile.

In 2015 Nathan and his family moved to Salt Lake City. Nathan and his wife, Lori, have three children: one boy and two girls. When Nathan moved to Salt Lake he got a job working for County Security. His previous job was as a nurse assistant at the Veterans facility.

It was then that Nathan decided it was time to get involved in amateur radio. In 2016 he received his Technician license. He took the test with UARC. He really enjoys being a member of UARC and says the people are very friendly. Nathan is working with his son who is now in the cub scouts. He would really like to see them get into amateur radio.

Nathan has a Baofeng handheld radio. He travels to Saint George to visit his family and loves making contacts on the way down and back. He has an antenna system on top of his car. Nathan says this is more reliable than his cell phone. Nathan would like to have a base station in his home, but said that will have to wait until they buy his house so that he can put an antenna on the roof. Nathan is also working

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on getting his General license.

Just recently, when Nathan was working at his county security job, he used his amateur radio to communicate with the security staff of the University of Utah after the recent shooting on campus. He said it really made him feel good to be of service in an emergency.

Nathan is working with some guns. Shooting is a hobby he enjoys. He also enjoys going camping with his family.

Nathan, welcome to the hobby and good luck on upgrading.



Nathan Aldredge, KI7JDJ



Nathan's Mobile installation