

# **The *Microvolt***

**June, 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 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. 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
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### 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



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## The Microvolt

The Official Publication of the Utah Amateur Radio Club, Salt Lake City, Utah  
Volume 61, Issue 6, June, 2018

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### **June Meeting: All About Field Day**

One of UARC's most popular events each year is its entry in the national Field Day event. Field Day is an annual ARRL-sponsored event that encourages hams to operate portable and mobile for a full 24 hours.

UARC has entered the event every year for a very long time, dating back to at least the 1960's, and with all probability, much longer than that. Field Day is a chance to combine radio with a family campout and have a very full weekend.

At the meeting we will have slides of past Field Days, demonstrations of the logging software, a feel for what contest operating is like, and an idea of what you should bring if you attend.

The June meeting will also include an opportunity to sign up for UARC's annual Steak-Fry, to be held on Saturday, July 14. It will be the last chance at a regular meeting.

The meeting will take place at 7:30 P.M. on Thursday, June 10, in room 2250 (the "Robison" classroom) of the Warnock Engineering Building on the University of Utah campus.

The front elevators in the Warnock Building have the second floor locked out in the evening. There are two possible solutions for the handicapped. The first is to get into the elevator and then send an able-bodied person up the stairs to the second floor to call the elevator. The second method is to find your way to the elevator in the southwest corner of the building (the same elevator we have been using during fall semester) and use it to access the second floor.

Road construction is going on in parts of the University campus. Last month we warned that North Campus Drive would be closed. After a disastrous few days, UDOT changed its mind and is postponing the North Campus Drive work until a better plan can be worked out. So ignore last month's advice. The only possible problem for our June meeting is the section of Mario Capecchi Drive between Foothill Drive and North Campus Drive. There may be delays in the evening but one lane will be kept open each way. The 100 South/North Campus Drive route that we recommended avoiding last month may this month now be the best route.

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 meetings during the University's spring semester of 2018 will be in room 2250 on the second floor.

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**

Our cover this month features images from the May meeting featuring Mel Parkes, NM7P, the ARRL Section Manager (SM) for Utah. Mel told about the history of ARRL and the many times it has saved our hobby from extinction and loss of frequencies. Thanks to Ron Speirs, K7RLS, for the photos.

### **Steak-Fry**

Our annual steak-fry will be held on the afternoon of Saturday, July 14, at “The Spruces” campground in Big Cottonwood Canyon. The May meeting will be the first of two chances to make reservations at a regular UARC meeting. This event substitutes for a July meeting and is a great chance to enjoy an afternoon among fellow hams in a cool canyon on what is typically a hot July afternoon.

Price this year is \$15. Be sure to sign up with the club Secretary at the meeting.

Another option is to use PayPal to send some multiple (i.e. number of people coming) of \$15 to: [UARC@xmission.com](mailto:UARC@xmission.com). A shortcut is available at <http://www.paypal.me/uarc>.

### **Class for Recent Licensees**

Gordon Smith, K7HFV, and I have put together a two evening course aimed at newly licensed hams

titled: “Now that I have my Technician License, What do I do to Get on the Air?”. We cover some of the topics that we covered in the Technician course, like repeaters, as well as topics like how to go about selecting a radio, how to make a contact, etc. The course will be given on Monday and Tuesday evenings June 11<sup>th</sup> and 12<sup>th</sup>. It will be held in my “shack” in Holladay from 7-9 PM each evening.

While this course is intended for newly licensed Technicians, if you have a higher class license but still don't have a radio, you might consider attending. Newly licensed Hams will get first choice and others will be accepted on a first come first served basis.

Please let me know if you are interested in taking the two-evening course. Contact me by email ([f.morris1@comcast.net](mailto:f.morris1@comcast.net)), and I will send details on finding my house.

73,  
Morris, AD7SR

### **Suggestions About On-Air Security**

We sometimes forget that our radio signals can be picked up by many other persons than the ones to whom we are directly talking. Some of these people might not be as honest as we know most hams to be. They may take advantage of personal information that we may inadvertently reveal. While I hope it's

unlikely that anyone would give out a credit card number over the air, there are less obvious things we might mention that may endanger us.

- 1) The fact that we are home alone, especially if we are physically compromised in some way, e.g. young, old, disabled, or, perhaps, just ill.
- 2) The fact that we are physically compromised.
- 3) A phone number. I prefer not to give out my phone number on the air and use email instead. Remember that if someone has your call sign they can easily look up your address, either on QRZ or the FCC web site. If they also have your

phone number they can call to see if you're home and break in if you're gone.

- 4) Future absences from home. If we mention a time when we're not home, thieves know they have the free run of our place. I know of more than one case when moving vans came and emptied the homes of people on vacation. If you're going to be gone, tell a trusted neighbor that you're going on vacation and *not* moving. Ask them to check the mail and paper so they don't advertise your absence.

— Morris Farmer, AD7SR

## **All About Field Day**

Field Day is one of UARC's most popular events and when it comes to contest-type events, it is the most popular amateur radio event in the world, even though only stations in the United States and Canada may enter. It all started back in the 1930s when someone had the idea to have everyone in the country try to go out on a summer weekend and operate portable from somewhere away from home. Portable operation wasn't trivial in those days when equipment involved vacuum tubes that needed high voltage, but hams managed to do it somehow and the event was so popular it was repeated year after year.

The object of today's Field Day events is for portable and mobile stations to work as many stations as possible in a 24-hour period. Fixed stations may enter also, but can only work portable and mobile stations. The full rules for the event can be found at:

<http://www.arrl.org/field-day>.

### **When?**

The official operating period for Field Day runs from noon, Mountain Daylight Time, on Saturday, June 23 through noon on Sunday, June 24.

However people will be on site long before that to set up and just enjoy some time camping in the mountains without the sound of generators running through the night. People will be at the site as early as the evening of Wednesday, June 20. Come whenever you can and leave when you must. To get the real feel of Field Day, though, you really need to participate in some of the overnight operation.

### **Where?**

The location is an open field just south of Payson Lakes on the Mt. Nebo Scenic Loop road. The club will provide portable toilets, but other than that there are no amenities provided. You will need to bring whatever is necessary for you to be comfortable for the period you will be there. This may include food, water, and shelter. If you are staying through the evening, even if not overnight, you will want to have a warm coat.

There is also a Forest Service campground, just a half-mile away. For a fee there are campsites available with water, toilets, and picnic tables.

Here is how to reach UARC's site:

1. Starting from the Salt Lake Valley, go south on I-15 to the first Payson exit, exit 250. Take the exit.
2. Go left at the end of the exit ramp which should put you on Main Street (aka SR-115). (You are really going south at this point although it may seem like east.)
3. Turn left on 100 North, aka SR-198.
4. Turn right on 600 East, also called "Peetneet Boulevard." This turn is at the top of a hill at a picturesque old school. Be careful to observe the speed limit
5. Follow 600 East until it takes you to the mouth of Payson Canyon. At this point note your odometer reading or reset your trip odometer.
6. Watch for landmarks at these approximate mileages from the canyon mouth:
  - a. 11.1: Payson Lakes Day-use area on the right.
  - b. 11.7: Payson Lakes Campground.turnoff on the right.
  - c. 12.3 Guard station turnoff on the right.

At the guard station turnoff on the right, don't take the right turn, but instead turn *left* onto a dirt road. Within a few hundred yards you will see the camp area.

According to Google Earth, the coordinates are:  
39° 55' 31.11" N., 111° 37' 53.06" W.

## **What to Bring**

There aren't a lot of amenities on the site so you will need to be responsible for food, water, shelter, and warm clothing for whatever period you will be on the site. If you leave the valley in temperatures approaching 100°, warm clothing may not come

immediately to mind as a necessity, but at that elevation, nighttime temperatures can get down near freezing.

Other items that may be helpful might include:

- 1) A chair
- 2) Your favorite key or keyer
- 3) Electronic tools
- 4) Camera
- 5) Tent heaters
- 6) A hat and suscreen

## **Why Come?**

Why go to all this trouble? We can think of a few possibilities.

**Show your operating skill:** If you're a dyed-in-the-wool contester, you'll have a chance to show off your skill. We have a need for those that can make three contacts a minute.

**See what HF is like:** If you've never operated HF, you'll have a chance to try it out and see how to set up a station. There will be enough General and Extra Class licensees present that, if you're only a Technician, then a General or Extra can usually be found to stay in the tent with you and serve as the licensed control operator while you make contacts. It's a lot different from FM on VHF and UHF. There is competition for frequencies, fading, changes in propagation, and a need to tune stations in carefully.

**Prepare for EMCOM:** If you're interested in emergency communication Field Day is excellent practice for conditions you'll encounter and skills you will need if you are called to communicate in a real disaster. You may need to operate many hours without relief, and you will need to hear and write down information quickly and accurately.

**Family Fun:** This is a great chance to have a nice campout with the family and still get in plenty of hamming time. Come out and give it a try!

## License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
06/02/18	(Sat.)	Salt Lake City <sup>1,4</sup>	Gordon Smith, K7HFV	(801) 582-2438
06/06/18	(Wed.)	Ogden	Rick Morrison, W7RIK	(801) 791-9364
06/06/18	(Wed.)	Clearfield	Mike Youngs, KK7VZ	(801) 573-3922
06/07/18	(Thu.)	Logan	Richard D. Elwood, KE7GYD	(435) 770-7050
06/09/18	(Sat.)	Hurricane <sup>2</sup>	Gary O. Zabriskie, N7ARE	N/A
06/20/18	(Wed.)	Provo <sup>5</sup>	Steve Whitehead, NV7V	(801) 465-3983
06/20/18	(Wed.)	St. George <sup>2</sup>	Gary O. Zabriskie, N7ARE	N/A
06/25/18	(Mon.)	Taylorsville <sup>3,5</sup>	Garth Wiscombe, W7PS	(801) 558-5936
07/18/18	(Wed.)	Provo <sup>5</sup>	Steve Whitehead, NV7V	(801) 465-3983
07/18/18	(Wed.)	St. George <sup>2</sup>	Gary O. Zabriskie, N7ARE	N/A
07/30/18	(Mon.)	Taylorsville <sup>3,5</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/>

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

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

## Member of the Month

### Craig Hardman, WA7DAY

By Linda Reeder, N7HVF

This month we are featuring Craig Hardman, WA7DAU. Craig has been in amateur radio since 1965. Craig's friend, Allen Baer, K7GB, influenced Craig to get into amateur radio. Both of them had their Novice licenses when they were 13 years old and were attending junior high. Then both of them attended Cyprus High School. When they were in the tenth grade they received their General class licenses, in the 11th grade their Advanced licenses, and in the 12th grade they obtained their Extra Class licenses. Can you believe it? Both of them passed the 20 word per minute Morse Code test 100 percent.

Leon DeVries was their electronics teacher and was a ham radio operator, WA7DTH. Cyprus High School had the best electronics program in the State of Utah. The high school had a ham radio station including a Collins S-Line and a HyGain TH-3 Yagi at 60 feet. Craig says they were in heaven. This was the best equipment you could buy at that time.

Craig says all they did was operate CW. For six years Craig didn't own a mike. Also, as a senior in high school in 1970, Craig won the Utah State Industrial Arts contest in electronics technology. Craig says he never would have done this if it weren't for his teacher pushing him to do so. Craig

built a TV transmitter for slow scan on the ham frequencies. They transmitted SS TV between Cyprus and Olympus High School.

After graduating from high school Craig and Allen attended Utah Technical College which is now Salt Lake Community College. Craig was on scholarship in electronics technology because, again, of that great teacher. Craig and Allen have stayed in contact all of these years. Allen now lives in Wyoming, but they still keep in touch.

Craig worked for Mountain Bell telephone company for a couple of years and then it was off to the Weber State College paramedic program to pursue an interest in medicine. He told his friends he couldn't decide if he wanted to be a fry cook or a brain surgeon so he became a paramedic.

Craig worked for Salt Lake County as a fire fighter and paramedic for 35 years. Craig is now retired. He married his high school sweetheart Marilyn.

Craig and Marilyn have been married for 47 years. They have four sons, all eagle scouts. They have eight grandkids: three girls and five boys.

Craig's grandson, Nate Hardman, just received his

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Technician license at age 13. He attended the class given by Morris Farmer, AD7SR. Nate's call sign is KI7VZB.

Craig's favorite thing about amateur radio is CW and DX. He also enjoys single sideband and two-meter FM with the guys and gals in the ham radio community. Craig is a member of the Utah Amateur Radio Club, the Utah DX Association, and the ARRL.

Other hobbies Craig enjoys include flying radio controlled airplanes and competing with his wife, Marilyn, shooting clay pigeons in trap and skeet.

Craig thanks for your contributions to amateur radio.



Craig Hardman, WA7DAU