

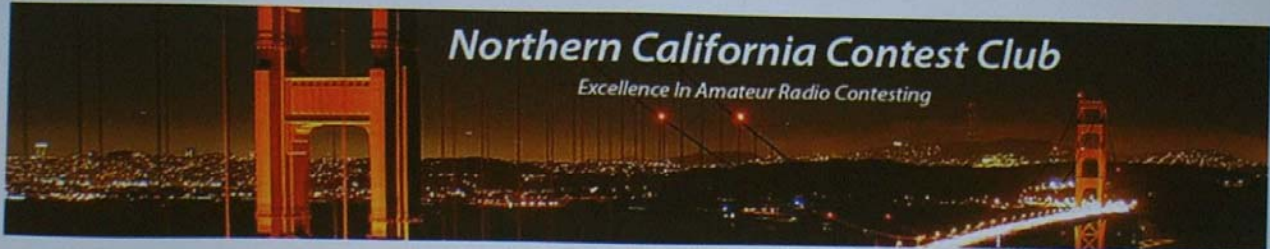
The *Microvolt*

March, 2019

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Great
Salt Lake
Contest Club

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

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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/>

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The Microvolt

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March Meeting: Summits on the Air

Folks who operate the HF bands or meteor scatter on VHF spend a lot of time collecting places: states, counties, continents, islands, zones, etc. that they have worked. A relatively new addition to this list is *summits*. There is now an award available to those who collect QSOs with stations operating on mountaintops. The program is called “Summits on the Air” (SOTA).

Our March UARC meeting, to be held Thursday, March 14, will feature Ryan Etherington, K7ODX, the Association Manager for SOTA in Utah. He will tell us how to participate on the air as “chasers” (those who make contact with folks on mountain tops) or “activators” (those who operate on mountaintops). It's even possible to be both at once! Utah, with its variety of mountain ranges, seems like a particularly good place to exploit this activity. One important thing to remember is that summits to which you can drive a motor vehicle are not eligible. There has to be at least some hiking involved before a mountaintop can be an official target for chasers.

If you would like to do some preparation homework, check out www.sota.org.uk.

Again, the upcoming meeting of the Utah Amateur Radio Club will be on Thursday, March 14. Location is the Warnock Engineering Building on the University of Utah campus, room 1230.

UARC meetings are held on the second Thursday of each month in the Warnock Engineering Building on the University of Utah campus. The room number varies with availability. During our meetings in January through April, 2019, we will be in room 1230.

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 February meeting program featured Darryl Hazelgren, K7UT, telling us about the DX (working foreign countries) segment of amateur radio. A memorable feature was video of a CW operator who could work two stations simultaneously on different frequencies — letting the computer transmit to one while copying the other.

Our cover features an image provided by Darryl of a variety of emblems of various DX clubs, plus Darryl himself.

UVHFS Swap Meet A Success

The Utah VHF Society had a very successful swapmeet and annual business meeting on Saturday, February 23. A slightly different building was used than in prior years, but hams seemed to have no trouble finding the right one.

The only item of business we were able to make out was reelection of the current officers for another year.

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.

Upcoming License Classes

Classes for those aspiring to Technician or General class licenses will be starting in late March. UARC President Morris Farmer, AD7SR, will conduct the classes at his home in Holladay, assisted by Bill Rouleau, AE7UI. Classes meet once each week for about eight weeks and will end with an exam session specifically for the

students. The only costs are for the text, which is the ARRL *License Manual* for the appropriate class of license, and the exam fee, currently \$14.

The starting dates and days of the week are as follows:

License Class	Day of Week	Starting Date
Technician	Mondays	3-25-19
General	Tuesdays	3-26-19

Space is limited, so, if interested, contact Morris soon at <mailto:ad7sr@comcast.net>.

Digital *Microvolt* Edition Available

There are some of us who still like to pursue our pleasure reading with a book, magazine or newspaper printed on real paper as we relax in an easy chair. For those who are of this persuasion, don't worry, we have no plans to cease publishing the paper edition of *The Microvolt* any time soon. (Our ARRL Section Manager, Mel Parkes, NM7P, tells that we are the only remaining ham club in the state publishing a printed newsletter.)

However, we understand that there are those who can get along just as well or better with a file they can puruse on their computer, phone, pad, or other digital device. If you are of that generation, and would prefer getting a digital (PDF) edition of *The Microvolt*, there is one available. If you would like to switch to the digital edition just let our Secretary know and he will put you on the list.

Advantages of the digital edition include being available sooner each month, having web links that you can click on, being a little more colorful, and saving the club a little bit of money. If that is appealing to you, just check our inside front cover for Tom's contact information. Make sure he has your correct email address.



QuartzFest 2019 Report

By Laird Severinsen, WB7TGP

After a week of fun in the Arizona desert, QuartzFest 2019 came to a close Saturday, January 25. QuartzFest is an annual ARRL Specialty Convention held in the Sonoran desert, south of Quartzsite, Arizona. Hundreds of hams, their families, and friends, travel to this desert community to participate in a weeklong ham radio event. From the QuartzFest web page, “No other hamfest in the world brings together in one gathering so much innovation in mobile antenna systems, mobile ham shacks, recreational vehicles, portable and mobile EMCOMM systems, off-the-grid living, alternative energy and radio education.” This one-of-a-kind ham event is a great opportunity to meet, learn and socialize with hams from around the country.

The educational classes at QuartzFest offer something for everyone. Whether you are new to ham radio or had years of experience, you will find a variety of classes related to ham radio and something interesting to learn. License testing is offered for new hams or to upgrade. “They provide a chance to put hands-on the latest technology, learn ham radio for the first time, and look to the future of radio science.” A sample of radio classes offered this year included everything related to HF, Win system, MESH, direction finding, APRS tracking, RV and portable antennas, batteries, solar power, deep space communication, and others. Also a chance to operate the special event station, W7Q, for on-air experience.

However, the learning goes far beyond ham radio. Offerings include music, arts and crafts, off road

ATV/4X4 tours, star gazing, RV repair and maintenance information, area geography, prospecting, gold panning, rock hounding, a tour and history of Quartzsite, sitting around the campfire, or enjoying nature and beautiful sunsets. Enjoy beading classes, ladies circle, a picture contest, pet parade, Dutch oven and group cooking opportunities. If you like, attend the annual Quartzsite RV Show or International Rock, Gem and Mineral Show. There is plenty of opportunity and activities.

Start and end your day at a social gathering around the campfire. On the QuartzFest two-meter simplex frequency hear daily news, weather, and rundown of daily events. Using the camp MESH system you can connect and watch select events on TV and be comfortable at your campsite.

This is an exciting, fun, and unique ham radio event. QuartzFest continues to grow with over 1,000 attendees this year. Mark your calendar for QuartzFest 2020 to be held Sunday, January 19, through Saturday, January 25. Arrive any time during the week and stay as long as you like. Check the Utah weather. You could opt to leave early and extend your stay to enjoy the warm desert weather. This is a “boondocks” camping experience on BLM land for 14 days maximum without a fee. There is a variety of vehicles so bring your RV, tent, car, or trailer, and find plenty of room. Attend a unique campout in the desert with others sharing a common interest of ham radio. Official website is www.quartzfest.org.

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
03/02/19	(Sat.)	Taylorsville ^{3,5}	Garth Wiscombe, W7PS	(801) 558-5936
03/02/19	(Sat.)	Eagle Mountain	David A. Becar, KI6OSS	(909) 379-8015
03/06/19	(Wed.)	Clearfield	Joe Girauda, N7JEH	(775) 777-4798
03/11/19	(Mon.)	Holladay ⁵	Garth Wiscomb, W7PS	(801) 558-5936
03/12/19	(Tue.)	Holladay ⁵	Garth Wiscomb, W7PS	(801) 558-5936
03/14/19	(Thu.)	Sandy ⁵	Garth Wiscomb, W7PS	(801) 558-5936
03/20/19	(Wed.)	Provo ⁵	Steve Whitehead, NV7V	(801) 465-3983
03/20/19	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
03/25/19	(Mon.)	Taylorsville ^{3,5}	Garth Wiscombe, W7PS	(801) 558-5936
04/06/19	(Sat.)	Salt Lake City ^{1,4}	Gordon Smith, K7HFV	(801) 582-2438
04/13/19	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	N/A
04/17/19	(Wed.)	Provo ⁵	Steve Whitehead, NV7V	(801) 465-3983
04/17/19	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
04/29/19	(Mon.)	Taylorsville ^{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.

⁶Technician Exams only given at this session.

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

ARRL Announces New ARES Plan

From *The ARRL Letter*

ARRL, the national organization of amateur radio operators has announced a new direction for The Amateur Radio Emergency Service (ARES). The new ARES Plan adopted by the ARRL Board of Directors at its Annual Meeting in January represents an effort to provide ARES with a clearly defined mission, goals, and objectives; specific training requirements, and a system for consistent reporting and record-keeping. The Board's Public Service Enhancement Working Group (PSEWG) spent more than 3 years crafting the ARES Plan which, ARRL officials believe, provides a much-needed update of the program's

role in public service and emergency preparedness in the 21st century. Concerns focused on bringing ARES into alignment with the National Incident Management System (NIMS) and Incident Command System (ICS), and creating more consistent and standardized ARES training requirements. Given dramatic changes and upgrades in national, regional, and local emergency and disaster response organizations, ARRL faced a major challenge, said ARRL Great Lakes Division Director Dale Williams, WA8EFK, who chaired the PSEWG.

“If we didn't address these issues, such as training standards and organizational management, ARES faced the very real possibility that it would no longer be viewed as a valid and valuable partner in emergency and disaster relief situations,” Williams said.

With input from ARES members and a peer review team, and the assistance of emergency response officials with some partner organizations, the PSEWG came up with a plan that provides guidelines to ensure that ARES remains a service of organized, trained, qualified, and credentialed Amateur Radio volunteers who can provide public service partners with radio communication expertise, capability, and capacity, Williams added.

Training requirements in the final ARES Plan consist of the free FEMA Professional Development Series of independent study (IS) courses, as well as the ARRL's EC-001 and EC-

016 emergency communication courses. The ARRL Board approved a proposal to make the ARRL EC courses free for ARES members.

The plan highlights some additional training programs that ARES participants are encouraged to consider taking, but that are not required, such as AUXCOMM and training courses like ICS-300 and ICS-400.

The ARES Plan outlines a three-tiered membership structure based on increased responsibility levels and accompanying training requirements. The optional tiered system serves to define three distinct ways to participate in the ARES program, leaving it up to participants to determine their level of involvement.

The ARES Plan points out that public service events such as parades and marathons are within the realm of ARES activity and are an integral part of effective training.

Member of the Month

David Cole, AE3DC

By Linda Reeder, N7HVF

This month we are featuring David Cole, AE3DC. David was interested in amateur radio when he was in junior high school while living in Grantsville, Utah. He built a transmitter. He really wanted to get into the hobby but he didn't know anyone who was in the hobby, so put it aside for many many years.

David attended the University of Utah where he received his bachelor's degree in engineering. David worked for 45 years at the Utah Division of Water Resources in civil engineering.

David and his wife, Linda, have children from other marriages. They both have two boys and two girls, all of whom are grown now.

David's wife, Linda, is a musician who plays the

piano and the violin. David and Linda participate in a musical group every Thursday evening. David plays the trumpet.

After David retired he finally got involved in amateur radio. Mathew Murdock, K2MJM, who is in David's stake, taught a Technician class. Mathew wanted their stake to get involved in emergency preparedness. One month later David took the tech exam and passed on February 20, 2013. His first call sign was KG7CMR. A couple of months later David received his General license and in November of 2013 David obtained the Extra Class license. David said it was a circuit class he took when he was in college that helped him pass the Extra test with no problem.

David decided to get a vanity call because he wanted a call sign with his initials in it. He settled for the call sign AE3DC because there weren't any with his initials available in 7 land.

David's favorite aspects of amateur radio are emergency preparedness and getting together with others. David loves to help others get into the hobby since he didn't have anyone to help him when he was in junior high school. Once a year David's stake teaches a Technician class and David helps teach it. They want to get more people active in emergency preparedness. The stake has a net every Thursday night at 8 P.M. on the 146.70 repeater near Ensign Peak. The stake also has a net on Sunday night at 8 PM. They want this net to be a neighborhood net. The stake is planning a repeater on 70 centimeters at 448.8. They hope to have it up and running soon.

A while ago David and some of the members of his ward built a TNC. David has a Kenwood TH-F6A tri-band handheld and a mobile Yaesu FTM-

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400 2-meter and 70-centimeter transceiver.

David says he hopes to get an HF rig in the near future.

David is a member of UARC. He would love to come to the meetings but on Thursdays plays in a musical group.

David, welcome to the hobby.



David Cole, AE3DC