

The *Microvolt*

February, 2019



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 Kamlowky, 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 Kamlowky, 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 Kamlowky, 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 Kamlowky, WA7ZRG | 801 505-9134 |
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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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February Meeting: DX and 7QP

Have you ever experienced the thrill of working a foreign country, or of making a contact with an island that rarely has contained any kind of radio transmitter? Our February meeting will be a chance to learn all about the world of DX (i.e. working stations in foreign countries).

Darryl Hazelgren, K7UT, will be presenting our UARC meeting on Thursday, February 14, at 7:30 P.M. Darryl has been an avid DXer for decades, has founded multiple clubs dedicated to contesting and DXing, and has participated in DXpeditions to remote parts of the world. Learn what DXing, contesting, and award-seeking are all about. Why is DXing popular? What equipment do you need? How much time must you devote? What awards are available? Come hear the answers.

Darryl will also talk about the “Seventh Call Area QSO Party,” a stateside operating event which will be coming up in early May. Operators compete for contacts and points. Stations outside 7-land try to work as many 7’s and 7-land counties as possible. Those inside the call area simply work as many stations as possible. As a station *in* the seventh call area you will be one that the rest of the world is seeking to work! You may even find yourself the target of a pileup, especially if you run portable in a rare county. (See www.7qp.org for more details.)

Again, the upcoming meeting of the Utah Amateur Radio Club will be on Thursday, February 14 (Valentine’s Day). 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 the [map](#) for information on finding the building.

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 (left to right) John Lloyd, K7JL, and Mel Parkes, NM7P, who, together, presented our January program. Mel, President of the Utah VHF Society, told us about the origin and future plans for the Society, including a plan to link the Intermountain Intertie, which covers a long path through western Utah, with the Sinbad System, which covers much of southeastern Utah. John gave us a picture and map tour of the various repeaters in the Intertie.

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.

Digital Conference in February

The third annual Utah Digital Communications Conference 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>.

Possible FCC Delays

As we go to press, the U.S. Government has reopened, but there is a large backlog of license applications to be processed and no additional ones have been processed on the first day that the Commission is back in operation. Applications have been piling up since January 3, the last date for which the FCC could find funding. Maria Somma, ARRL VEC Manager, reports that 1600 applications and 125 exam sessions are waiting in the wings. So those with pending applications for a new license will have to be patient.

The news is better for those with pending applications for renewal or license class upgrade. Those holding a CSCE for an upgrade may continue to operate using the call signing procedure prescribed for anyone with a pending upgrade. (They need only use the “temporary” procedure when operating outside the privileges of the license published on the ULS database.)

Those with pending renewal applications may continue operating until they hear if their applications have been granted or rejected.

One feature of the FCC’s online system that continues to be in operation is management of FCC Registration Numbers (FRN’s). New FRNs can be assigned and searches for existing ones can be performed.

2018 Financial Report

1-1-18 through 12-31-18

| Income | | Expenditures | |
|---------------------|-----------------|-----------------------|-----------------|
| Category | Amount | Category | Amount |
| ARRL Dues | 526.00 | Administrative | 18.99 |
| Book Sales | 2,236.45 | ARRL Memberships | 443.00 |
| Capital Equipment | 100.00 | Books | 1,161.24 |
| Donation | 63.00 | Field Day | 644.39 |
| Dues | 4,305.00 | Insurance | 200.00 |
| Future Dues | 260.00 | Meeting Expense | 400.31 |
| Interest | 119.31 | Microvolt | 2,710.89 |
| Steak-Fry Income | 960.00 | PayPal Fees | 129.19 |
| | | Repeater | 705.07 |
| | | Sales Tax | 263.14 |
| | | Square Inc Fees | 21.20 |
| | | Steak-Fry Expenses | 649.80 |
| | | | |
| Total Income | 8,569.76 | Total Expenses | 7,347.22 |
| | | | |
| Net Income | | 1,222.54 | |

Submitted by Chuck Johnson, WA7JOS, UARC Treasurer

President's Notes

By Morris Farmer, AD7SR, UARC President

Wow! The last year has been a really busy one for UARC.

We, that is some of our key members, especially Clint KA7OEL, have been intimately involved in making the "software defined radio" (SDR) in Corinne an outstanding success. It is an HF SDR available to everyone that wants a good pair of "ears" having an excellent low noise location and an excellent antenna. I participate in several HF nets and the "Utah SDR" is often mentioned as a great resource for the NCS of the net as well as several other members of the net. If you haven't yet tried it out, visit:

<http://websdr1.utahsdr.org:8901/> It is simple to use. Remember this is a receiver only.

Another major project, one that is wholly controlled by UARC, is the remote HF transceiver located near Leamington. This radio is available via the internet by any member of UARC in good standing holding at least a General class license. This radio is a 100-watt transceiver currently feeding a G5RV antenna and can be used from 80 through 10 meters. We have installed backup power for the computers at Leamington, but, as you can probably understand, the radio isn't on emergency power. The Leamington site is quite electrically quiet and we encourage you to go through the qualification process and use the radio. Qualification is simple and can be found on the UARC web site at:

<https://user.xmission.com/~uarc/Leamington.html> . We have lots of plans for the site including upgrading

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the radio to a new one we recently bought on eBay, adding additional antennas including a beam, and hopefully additional antennas for 80 and 160 meters.

In the past year we have had donated two or three lots of antique radios and associated equipment. These radios are mostly from the 60's, 70's, and 80's and for the most part are in working condition. If you're an old radio fan, you will recognize a Collins 75 S-3, a Drake TR-3, a Drake T-4X with the Drake AC-4 power supply they both use. There is also a Kenwood TS-520S, a Dentron Clipperton L linear amplifier that is

putting out near its rated power, and several other pieces of equipment. In the next week or so we intend to have the complete list and several pictures on our web site for sale. Funds raised from the sale of this equipment will be used for improvements to our repeaters and the Leamington site; so look it over and buy, buy, buy!

If you have any questions, contact me or any other member of the board and we'll do our best to get back to you with an answer.

See you at the next meeting on Valentine's Day.

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

| Date | Day | City | Contact Person | Phone |
|----------|--------|-------------------------------|--------------------------|----------------|
| 02/02/19 | (Sat.) | Salt Lake City ^{1,4} | Gordon Smith, K7HFV | (801) 582-2438 |
| 02/09/19 | (Sat.) | West Valley City ⁶ | Mathew J. Murdock, K2MJM | (801) 694-0174 |
| 02/09/19 | (Sat.) | Hurricane ² | Gary O. Zabriskie, N7ARE | N/A |
| 02/20/19 | (Wed.) | Provo ⁵ | Steve Whitehead, NV7V | (801) 465-3983 |
| 02/25/19 | (Mon.) | Taylorsville ^{3,5} | Garth Wiscombe, W7PS | (801) 558-5936 |
| 03/02/19 | (Sat.) | Taylorsville ^{3,5} | Garth Wiscombe, 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 |

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 Regroups on Parity Act

From the *ARRL Letter*

At its annual meeting January 18 - 19, the ARRL Board of Directors decided that the organization needs to “review, re-examine, and reappraise

ARRL's regulatory and legislative policy with regard to private land use restrictions.”

In order to effectively undertake such a review, the Board adopted a resolution to withdraw its December 18 [*Petition for Rule Making*](#) to the FCC, which sought to amend the Part 97 Amateur Service rules to incorporate the provisions of the Amateur Radio Parity Act ([*ARPA*](#)), without prejudice to refile. The resolution also is asking members of Congress who had refiled legislation to enact the Amateur Radio Parity Act (ARPA) to refrain from seeking to advance that legislation pending further input from ARRL.

Board members noted that ARRL has been pursuing adoption of the ARPA for the past several years, and that objective has not yet been achieved. While everyone understands that getting Congressional approval on any matter can be a

lengthy process, the difficulty getting the ARPA approved has been a source of frustration to the organization and its members. A majority of the Board now believes that there is a need to reassess the organization's approach to this issue.

The Board wants to make clear to its members, and to those whose policies and conduct prevent or impair the right of US Amateur Radio operators to operate from their homes, that this pause is not, and should not be interpreted as an abandonment of its efforts to obtain relief from private land-use restrictions. The Board noted that its intent is "to renew, continue and strengthen the ARRL's effort to achieve relief from such restrictions."

Member of the Month

Joann Sadler, N6JRS

By Linda Reeder, N7HVF

This month we are featuring Joann Sadler, N6JRS. It was her brother, Wayne Rice, WA7JUW, who got her interested in amateur radio back in the 60s. Joann didn't get her amateur radio license until many many years later when she was married and had a family of her own. She loved to sit and listen to Wayne making contacts all around the world. Wayne had lots of QSL cards and Joann loved to look at them. Then Joann's younger brother, Jonathan, got his license. His call sign is NR7T. Joann's sister, Ruth's call sign is WB7OHK. Joann's husband, Cliff, got his license with the call sign N7RTB. When her children started getting their licenses she said "it is time for me to get *my* amateur radio license."

Joann and her husband, Clifford, have six children: three girls and three boys. The three boys have their amateur radio licenses. Their son Clifford's call sign is N2CJS.

Joann and two of her sons, Bradley, KI7WPZ, and Rickey, KI1KKY, took the class that was offered at BYU and that same day they all passed their

tests. Joann said her grandson, Carter, is interested in getting into the hobby. Joann wanted a call sign that had her initials in it and there wasn't one available in 7-land, so settled for a six call sign, N6JRS. The main reason she wanted to get her amateur radio license is that she loves the out of doors and it is a great way for the family to keep track of each other when they are in the mountains.

Joann is planning on getting her General class license. One of her favorite things about amateur radio is making contacts out of the country. She also loves helping the community by way of amateur radio.

Joann worked for Continental Airlines, which is now part of United Airlines. She worked for them for ten years making reservations. Joann loves to fly. Her oldest son was stationed in Germany for seven years and she was able to go visit him free because of her airline gifts. Joann's oldest daughter was in South Korea teaching English for seven years. She loved to go there and baby sit her grandchildren.

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Joann is a member of UARC and the 76ers. She enjoys attending the 76ers luncheon on Fridays.

Joann, welcome to amateur Radio. We wish you the best in all of your endeavors, especially obtaining your General license.

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Joann Sadler, N6JRS



Richard Kuter, WB9GQF (January's Member of the Month)