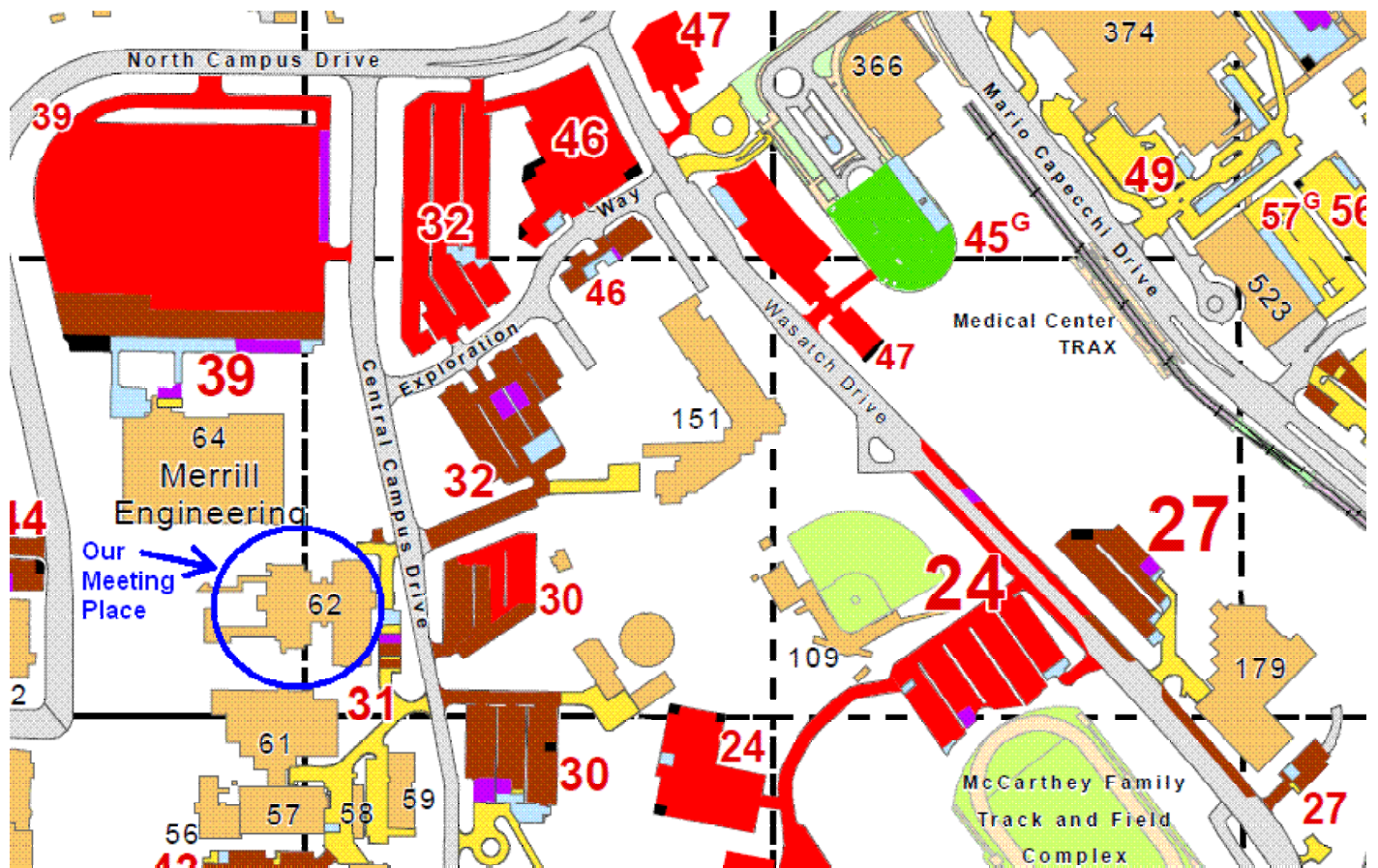


The *Microvolt*

September, 2015



New Parking Rules

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 \$17 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 Dick Keddington, 5474 Hews Place, Taylorsville, UT, 84129-1416.

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: Dick Keddington, 5474 Hews Place, Taylorsville, UT, 84129-1416.

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 \$17 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 \$17 may obtain a membership without a *Microvolt* subscription for \$9. Send dues to the Club Secretary: Dick Keddington, KD7TDZ, 5474 Hews Place, Taylorsville, UT 84129-1416.

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 2015 Board

President: Clint Turner, KA7OEI	801 566-4497
Executive VP: Rick Asper, AC7RA	801 865-1693
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Secretary: Dick Keddington, KD7TDZ	801 274-9638
Treasurer: Chuck Johnson, WA7JOS	801 268-0153
<i>Microvolt</i> Editor: Gordon Smith, K7HFV	801 582-2438
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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

Contents

September Meeting: Broadband-Hamnet	3
Our Cover: New Parking Rules	4
Latest News.....	4
Field Day 2015 Report.....	5
License Examination Schedule	6
Member of the Month	7
Written Your Congressman?.....	8

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 58, Issue 8, September, 2015

September Meeting: Broadband-Hamnet

Are you interested in fast, Internet-like communications by radio? If so, the coming UARC meeting may be just what you're looking for. Broadband-Hamnet (previously known as "HSMM-MESH") is a scheme whereby WIFI routers can be reprogrammed to provide IP connectivity between stations. Doug Thompson, W1DUG, will be telling us all about the mode, the network that can be established, and how to get involved. If you want to do some pre-meeting homework, see <http://www.broadband-hamnet.org>.

Doug writes:

"MESH is a term used for a group of multi-node 'ad-hoc' wireless area networks. BROADBAND-HAMNET (HAMNET for short) is a MESH network used by Ham Radio operators on the 900 MHz, 2.4 GHz, and 5 GHz bands. Computer applications which use normal local area networks (LANs) and the internet can also use a HAMNET for ham operations, i.e., digital file transfers, file sharing between computers, face to face video communications, keyboard chatting (HamChat), etc. MESH nodes are positioned in a grid, providing multiple paths for data from point A to point B as well as network redundancy and robustness. Also, the internet can be used to connect MESH nets to create even wider area communications."

The meeting will be on Thursday, September 10, at 7:30 P.M. in room 103 of the Warnock Engineering Building. To reach three-digit numbered rooms, take the elevator in the southwest corner of the main floor down to level "L1." (The elevators near the east entrance won't work!)

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 fall, 2015, meetings will be in room 103 on level "L1." See the map at <http://user.xmission.com/~uarc/meetmap.html> for 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 Brett, the "book lady"
- 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. The September get-together will be at "The Village Inn," 910 E. 400 South in Salt Lake City.

Our Cover: New Parking Rules

The parking rules at the University of Utah have changed, but we believe that the majority of our members can simply continue to park as they have been doing at our club meetings. As we discussed at meetings last spring, the University wants to collect some extra parking dollars from those who take night classes. It wasn't clear until recently how the new policy would affect groups like ours having evening meetings on campus. The answer is that parking will be free, provided we park in the appropriate lots.

On the map on our cover, the building where we meet is shown as "building 62." We may park on second Thursdays in the parking lots shown as number 30 and number 32. We believe these lots are the ones in which almost everyone is already parking. They include the lot immediately east of our building as well as the ones immediately north and south of that lot. If anyone is parked in these lots and is still ticketed, please let one of the officers know so we can investigate.

Latest News

Proposed Dues Increase

Back in our June issue we published an item written by our Treasurer, Chuck Johnson, WA7JOS, explaining why the officers believe it is time for a dues increase. In summary, we were able, last year, to spend a few thousands of dollars to replace antennas on our 146.76 repeater. We were able to take the funds from our reserves, but the reserves are not getting replenished, so we may be in trouble for future needs. We have received no comments on the issue since that time.

This, then, is the official notice that we will have a vote of the membership on the issue of raising dues to \$20 per year commencing January 1, 2016. The vote will take place at our October meeting, Thursday, October 8, 2015. There will be a chance for discussion prior to the vote. The upcoming vote will also be announced at the September meeting.

General Upgrade Course

Morris Farmer, AD7SR; and Bill Rouleau, AE7UI, will be teaching an upgrade course for those hams wanting to get their General licenses. The course will be from 7 to 9 P.M. each Wednesday evening

at Morris' "shack" for about 8 weeks. There is no charge for the course. The text used is the ARRL *License Manual* which will be available at the discounted price of \$25.00 at the class. At the completion of the course there will be an exam/pizza party. The exam costs \$14.00. If you are interested please contact Morris at f.morris1@comcast.net for more information.

Swap Meet September 19

The Davis County Amateur Radio Club will be sponsoring a swap meet on Saturday, September 19, and 8 A.M. There is no entrance or display fee.

Location is Bountiful City Park at 400 North and 100 West in Bountiful. Take the 400 North exit from I-15 and the park will appear shortly on the left.

ARES/RACES Conference Oct. 31

The annual ARES/RACES Conference for those involved in emergency preparedness, usually held in November, will be held this year on Saturday, October 31. Watch for more information.

Field Day 2015 Report

We would like to thank everyone who helped with UARC's 2015 Field Day entry! At least 41 hams took the hour and a half drive to the area near Payson Lakes and spent part or all of their weekend helping to set up gear and make contacts around the country. We did pretty well. The total number of contacts was 2156, 936 of which were on CW and counted for double points.

By the time CW multiplier, power multiplier, and bonus points were considered we ended up with 6954 points, our second best score in the last 10 years, and possibly ever. (Our best score was 8624 in 2012 when we had the CW station and operating help of Max George, NG7M.) Several things probably contributed to our success. Lossy feedlines were replaced, yagis were tuned, we operated the CW station more hours, and we had some very good voice operators.

Of course there's always room for improvement. Apparently we forgot to put the available heaters in the operating tents and from 3 A.M. to 7 A.M. all the operators had given up due to hypothermia. At least one person complained that the setup was not as well organized as might be desired. Perhaps this was due to the lack of a volunteer for "general organizer" that we had been requesting since about February. Anyone want to fill that gap for next year?

There appear to have been 29 Utah stations that sent in their entries this year. We won't likely know all the scores until the folks at ARRL Headquarters get through sifting through the data in about November. When that information is available we will post it on the UARC web site.

UARC 2015 Field Day Contacts and Scoring						
(2014 Values in Parentheses)						
Band	CW		SSB		Total	
80	—	(60)	200	(66)		
40	376	(—)	408	(774)		
20	560	(353)	541	(396)		
15	—	(—)	9	(—)		
6	—	(—)	50	(57)		
(GOTA)	—	(—)	12	(38)		
<hr/>						
Total Contacts	936	(413)	1220	(1331)	2156	(1744)
Contact Points	1872	(826)	1220	(1331)	3092	(2157)

Power Mult		X2	6184	(4314)
Bonus Points	Emergency Power:	300		
	Public Location	100		
	Message Origination	100		
	Natural Power	100		
	W1AW Bulletin	100		
	Web Submission	50		
	Youth Participation	20		
	Total Bonus			770
Grand Total			6954	(5224)

UARC W7SP Field Day Scores in Recent Years

Year	Contact Score	Total Score
2015	6184	6954
2014	4316	5166
2013	3616	4646
2012	7414	8624
2011	3384	4434
2010	3144	3894
2009	4044	5014
2008	3462	4571
2007	3954	4764
2006	3826	5076
2005	4588	5538

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
09/02/15	(Wed.)	Clearfield	Mike Youngs, KK7VZ	(801) 573-3922
09/16/15	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
09/16/15	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
09/29/15	(Tue.)	Salt Lake City ³	Garth Wiscombe, W7PS	(801) 558-5936
10/03/15	(Sat.)	Salt Lake City ^{1,4}	Gordon Smith, K7HFV	(801) 582-2438
10/07/15	(Wed.)	Ogden	Rick Morrison, WYRIK	(801) 791-9364
10/08/15	(Thu.)	Logan	Richard D. Elwood, KE7GYD	(435) 753-4360
10/10/15	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	N/A
10/17/15	(Sat.)	Farmington	Gary L. Davis, KE7MQF	(801) 298-3127
10/21/15	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
10/21/15	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
10/24/15	(Sat.)	Logan	Richard D. Elwood, KE7GYD	(435) 753-4360
10/27/15	(Wed.)	Salt Lake City ³	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: Senior Center at the Columbus Center, 2530 S. 500 East

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

Member of the Month

Ronald Woodhead, K7TMQ

By Linda Reeder, N7HVF

This month we are featuring Ronald Woodhead, K7TMQ. Ronald was involved with amateur radio long before he ever received his license. It was 1956 and Ronald was 17 years old when he learned about amateur radio. Ronald said he still has that old book he studied from. He also still has an S-40 Hallicrafters receiver that he used to listen to the amateur bands. He says it still works.

But shortly after that, Ronald joined the National Guard and became a radio operator for the artillery for several years. Not only was Ronald a radio engineer, he was a communicator. He learned how to send and receive the Morse code.

Ronald got a radio job in the 19 special forces jumping out of airplanes with radios in his backpack. Somebody would send Morse Code and he would copy it. In 1966 Ronald joined the ARRL although he still didn't have his ham license. It was 1970 when Ronald received his Technician license. He was attending Utah State University where a disc jockey convinced Ronald to get his amateur radio license. The disc jockey said "you are so knowledgeable in amateur radio you really should get your license." Ronald received his Technician license, but he let it lapse because he was involved in so many things.

It wasn't until 2014 that he became active again and obtained his General license. He took a Technician and a General class from Morris Farmer, AD7SR, and Ronald Speirs, K7RLS. Ronald was able to obtain his original call sign, K7TMQ, that he received in 1970. He couldn't believe that after all of these years that call sign just sat there unclaimed. It was just waiting for Ronald to come and get it.

In 1970 Ronald really was involved in many things. He was in the US Coast Guard Auxiliary, he was a

signal guy, he was in the Army Reserves, as the Emergency Management Officer, reporting to the state capitol. He worked with Jim Brown, NA7G, at the state capitol. It was in the 1970s that Ronald held the rank of Major in the US Army Reserve. For 42 years, beginning in the 1970s, Ronald was a Major in the US Army Reserve stationed at Fort Douglas.

It was while receiving training in Washington DC at The Lincoln Memorial where Ronald met his wife, Jose (pronounced JOH-see). She was from England and they lived there for a couple of years. While living there Ronald worked on a farm. When they came back to the United States Ronald worked a couple of civilian jobs before he got his job at Fort Douglas. He worked for a wholesale company and he also worked for a private company, Edcor Communications, where they built PA systems that are used for announcers at football games.

Ronald and his wife, Jose, have two children, a son and a Vietnamese daughter they adopted. Their children are all grown now. Their son is a pilot for Southwest airlines. Ronald and Jose's grandson, Michael, has his Technician license. His call sign is KG7UIZ. He is graduating from military school in Chicago and they are on their way to the graduation.

Ronald is a member of the ARRL, UARC, and the VHF society. He's very active on two meters and 70 centimeters. His goals are to get on Echolink and the HF bands and to get involved with ARES.

Ronald, we wish you the best in all of your endeavors.

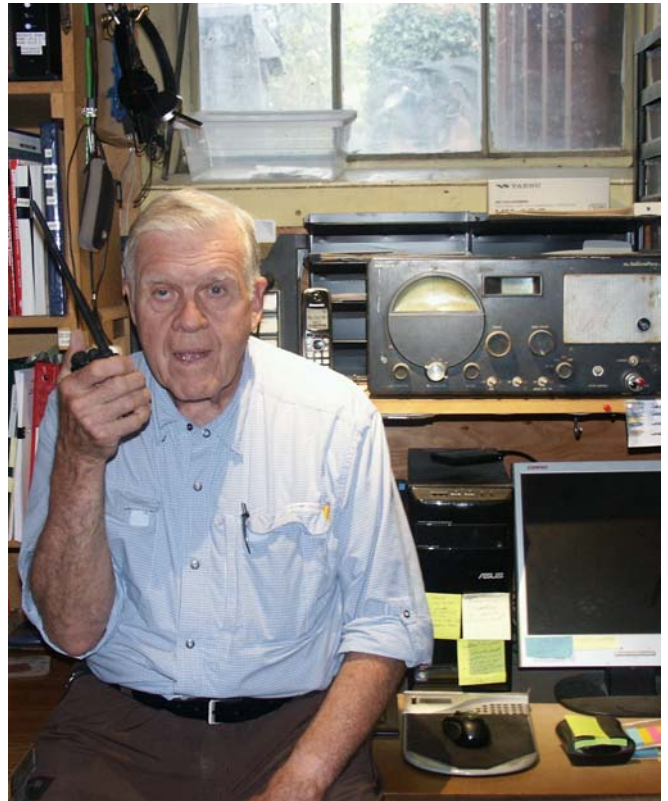
[See photo on page 8.]

Members of the Month for July and September



Paul Kartchner, KG7RVK and XYL Kristin
(Paul was July Member of the Month)

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William Woodward, K7TMQ with his vintage Hallicrafters S-40 receiver
(Photo by K7RLS)

Written Your Congressman?

Want to help solve the problem of antenna restrictions because of covenant restrictions and Home Owners' Associations? The Amateur Radio Parity Act of 2015 still has no Utah co-sponsors. To see what you can do, visit <http://www.arrl.org/amateur-radio-parity-act>. It has sample letters, talking points and instructions!