



**Roy Eichelberger takes charge of the UARC Meeting on November 4<sup>th</sup>, which the topic was Army Mars. Next UARC meeting will be on December 2<sup>nd</sup> at 7:30pm. Elections for next year's officers will take place.**

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# Microvolt

DECEMBER, 2004

Please Send Dues to:

**SEND TO**

UARC

c/o Dick Keddington

1732 Woodside Dr #32

Holladay, Ut 84124-1624

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## Prologue

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 first Thursday of the month at 7:30 PM in the University of Utah Engineering and Mines Classroom (EMCB) building, Room 101.

**Membership:** Club membership is open to anyone interested in amateur radio; a current license is not required. Dues are \$15 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 \$15 may obtain a membership without a *Microvolt* subscription for \$9. Send dues to the Club Secretary: Dick Keddington, KD7TDZ, 1732 Woodside Dr #32., Holladay, UT 84124-1624. ARRL membership renewals should specify ARRL Club #1602.

**Contributions:** Monetary contributions are gladly accepted. Send directly to the Club Treasurer: Mark Hodgen, 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-) has autopatch facilities on both the Orem exchange (covering Santequin to Lehi) and the Salt Lake City exchange (covering Draper to Layton). The 449.10 repeater has autopatch facilities into Salt Lake City only available to UARC members. Due to the volume of traffic, only mobiles should use this autopatch. Autopatch use is open to all visitors to our area and to all club members. Non-members who wish to use the autopatch are encouraged to help with the cost of maintaining the equipment by joining the club.

**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.

**Publication:** The *Microvolt* is the official publication of the Club. Deadline for submissions to the *Microvolt* is the 10th of each month prior to publication. Submissions by email are preferred ([gopenshaw@msn.com](mailto:gopenshaw@msn.com)), but other means including diskettes and typewritten submissions can be mailed directly to: Gary Openshaw, 861 Roosevelt Ave., Salt Lake City, UT 84105. All submissions are welcome but what is printed and how it is edited are the responsibility of the Editor and the UARC board. 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, 1732 Woodside Dr #32., Holladay, UT 84124-1624.

## UARC 2004 Board

President: Glen Worthington, WA7X	272-8825
Executive VP: Roy Eichelberger, W7ROY	571-2447
Vice Pres: Gordon Smith, K7HFV	582-2438
Secretary: Dick Keddington, KD7TDZ	274-9638
Treasurer: Mark Hodgen, AC7XR	
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Asst. <i>Microvolt</i> Editor: Bryan Mogensen, KD7LEA	281-1752
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Program Chair: Telvin Mills, KB6BYU	968-5089
Imm. Past Pres: Brett Sutherland, N7KG	298-5399

## Committee Chairpersons and Members

"Book Lady": Fred Desmet, K17KM	485-9245
Historian: Ron Speirs, K7RLS	968-4614
Field Day Chair: Lonnie Oaks, K7LO	255-1225
Club Trustee: Brett Sutherland, N7KG	298-5399
Engineer: Randy Finch, K7SL	277-7135
ATV Engineer: Clint Turner, KA7OEI	566-4497
Board Liaison & Autopatch Engineer: Gordon Smith, K7HFV	582-2438
Provo Autopatch Host & ATV Engineer: Dale Jarvis, WB7FID	224-3405
Repeater Monitor:	

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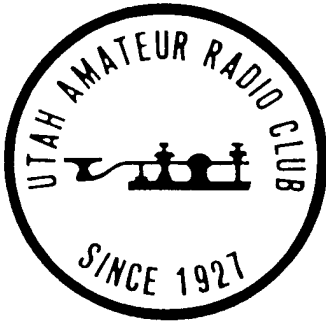
For late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to:  
[www.xmission.com/~uarc/announce.html](http://www.xmission.com/~uarc/announce.html)

We are grateful to the management of XMission, our Internet Service Provider (ISP), for the donation of our Web-Page service.



# The Microvolt

The Official Publication of the Utah Amateur Radio Club, Salt Lake City, Utah  
Volume 48, Issue 11, December, 2004.



## QST from the Prez

**Glen Worthington, WA7X**

Dick Keddington, KD7TDZ, recently reminded me that not only does the club benefit from members joining the ARRL but also now we get a benefit from

members renewing through the club with ARRL. This is great; to have both a local club we can share activities with and the benefit of a national advocate for ham radio. We are fortunate to have a very active and impassioned Utah Section Manager for the ARRL, Mel Parks AC7CP. Mel is usually in attendance at our monthly club meetings and has items of interest not only from the ARRL but other Utah clubs that he actively participates in. We are very fortunate to have this kind of leadership here with us.

I recently received from Norm Fusaro, W3IZ, ARRL Affiliated Club/Mentor Program Manager, that he has written an article about UARC that can be found at: <http://www.arrl.org/news/features/2004/11/20/1/> on the web.

Norm had emailed me a couple of months ago with keen interest in *The Microvolt*. I told Norm that we had an online version and directed him to our web pages. In that regard we really owe a world of thanks to our *Microvolt* Editor, Gary Openshaw, KC7AWU and Assistant *Microvolt* Editor, Bryan Mogensen, KD7LEA for a timely delivered and excellent product! *The Microvolt*

obviously communicates well to both members and others as well.

Let's keep having fun and enjoy this hobby and friendships!

73  
Glen  
WA7X

## November Meeting

The following people have been nominated as club officers and to serve on the Board of Directors:

President: Glen Worthington, WA7X  
Executive VP: Roy Eichelberger, W7ROY  
Vice Pres: Gordon Smith, K7HFV  
Secretary: Dick Keddington, KD7TDZ  
Treasurer: Chuck Johnson, WA7JOS  
*Microvolt* Editor: Telvin Mills, KB6BYU  
Asst. *Microvolt* Editor: Bryan Mogensen, KD7LEA  
Program Chair: Keith Howard, KA7RLB  
Program Chair: Scott Thomson, KD7VFP  
Imm. Past Pres: Brett Sutherland, N7KG

Roy Eichelberger, W7ROY, also did a fantastic job in filling in talking on Army MARS.

## Help Wanted: UARC NET

UARC needs help with the Information Net on Sunday evenings at 9:00pm. Net Control Operators are needed, as well as someone to do Other Club Information. Please call Mike Youngs, KK7VZ, 298-7282 or E-Mail him at [youngs@qwest.net](mailto:youngs@qwest.net), and be involved. Please plan on joining the great Net Control Operator's for next year.



our Field Day contests. Bill is a member of UARC.

Bill's wife Debbie has her Technician license. She received it while they were dating. Her call sign is KD7GVF. She received her license in 1999 and they were married in 2002. Bill is an electrical engineer and works for a consultant.

Bill, we wish you all the best in your contesting.

73 N7HVF Linda Reeder

## Member of the Month

**Linda Reeder, N7HVF**

This month we are featuring William Ralston, N7VM. Bill has been in amateur radio since 1976 and has his Extra Class license. He was living in Orange County, California, when he received his first license. At that time Bill's dad was a ham radio operator. Bill and a couple of his friends in high school would talk back and forth to each other using his dad's equipment.

Through Bill's career in amateur radio he has had several different call signs. You see, back then, whenever an amateur radio operator moved to a different call sign district, the ham operator had to change his call sign. These are the call signs he has had: N1BR, AI6E, WA6KHB, WN6KHB, and of course the call sign he now has, N7VM.

Bill is very active in contesting. Just recently he took first place in the Utah IARU radio sport talk. This is where you make as many contacts as far away as possible on all bands. When Bill was living in Boston, Massachusetts, he took fifth place in the country in the CQ Worldwide contest. He also took fifth place when he was living in California. Bill also likes sending QSL cards.

Bill has excellent skills in sending and receiving Morse code. He has been a big help to UARC racking up points on CW at many of

## December Meeting

Elections and how to build Power Supplies –

The December UARC meeting, to be held December 2, will be the chance to determine UARC's future for 2005.

All the nominations made at the November meeting will be available, and there will also be a chance to add additional nominations. Be sure to come and make your voice heard!

In addition we have a program feature that should be of interest to just about everyone: How to build your own power supplies. Ned Stevens, K7ELP, from Grantsville, has had many years building power supplies of various sorts and has agreed to share some of his secrets with us.

Most amateur rigs these days don't come equipped to plug into the wall. They will run on twelve volts in a mobile installation or can be used as a fixed station with the addition of a power supply. A power supply remains a very practical homebrew project and building your own has several benefits: you save money, you know exactly what's in the unit to service it, and it can be tailor-made to your own requirements.

Ned tells us that he has some power supply parts to give away at the meeting. This should be an added incentive to come.

## **Diversity is the Key to Success in Utah**

By Norm Fusaro, W3IZ  
ARRL Affiliated Club/Mentor Program Manager  
November 20, 2004  
(Reprinted from [www.arrl.org](http://www.arrl.org))

Homebrew night is just one on the many events that keep the Utah Amateur Radio Club (UARC) active. This year the annual "Homebrew Night" had many projects that were too large to bring to the meeting, so some members used *PowerPoint* to show off their handiwork. While the October meeting typically features "Homebrew Night," September's theme is "Junk Box Wars," where two-person teams compete to design and build a working electronic device described at the beginning of the contest. Participants have 35 minutes to design a circuit and to obtain parts from discarded electronic circuits.

Teams earn points for things like design, stability and accuracy. They're penalized each time they have to consult reference materials. While one team member is working the other is describing to the audience [all at the same time?] what they're doing. The result is an event that's both a competition and a lesson.

The UARC has the distinction of being the oldest radio club in Utah. It was formed in April 1927 and became an ARRL Affiliated Club in July of that year. The club call sign, W7SP, is a tribute to one of the club's early members, Leonard "Zim" Zimmerman. While may go back to the days when hams used to have to grind their own crystals, the club does a great job in staying current with modern technology. The membership is active in all modes of operation including amateur television.

Club President Glen Worthington, WA7X, says the UARC is very fortunate to have a large number of active hams in the area. A lot of the hams are active in ARES and other groups, and the UARC supports ARES activities as well as those of other area organizations.

"We try to focus on the diversity of ham radio and our program chairpersons do a good job of

getting a wide variety of topics at our meetings," says Glen. Average attendance at monthly meetings is around 100 members or more unless the University of Utah Utes are playing football (the college team is ranked #7 and has a 9-0 record). The club holds its monthly meeting at the university campus in the Engineering and Mines Building, and each time adds about five new members to its rolls.

ARRL Field Day is a very well-attended event because the club's focus is on working with new operators and teaching operating skills rather than treating Field Day as a contest where the sheer number of contacts is the goal. Glen tells us, "We take the time to explain the whys and wherefore of setting up the station." He also notes that there is a lot of social activity, and members bring their families to the event.

UARC sees Amateur Radio as a fun and useful hobby and tries not to let the little things distract them from having fun.

Another special event that all club members mark on their calendar is the UARC Annual Steak Fry. This is yet another way that the club reinforces the social bonds among its members. There is nothing like food to bring the membership together! With almost 400 members on the roster, there is a lot of beef on the fire.

Although Glen tells us that most of recruiting results from word of mouth, the club's various and varied activities, its repeater system and a strong mentoring program combine to attract new hams and experienced operators as well. The UARC's very informative Web site includes a list of topics and "Elmers" available to help.

The club also tries to recognize its members at club meeting and in the club newsletter *The Microvolt*. Each month, it highlights a member and showcases the member's favorite activities. This is another way to expose the new hams to the many facets of Amateur Radio. This club truly believes that helping new hams will pay off by making them active members of the club and of the community.

## Microwave Get Together

### ATTENTION EVERYONE INTERESTED IN MICROWAVE

We have found that there are a lot of you out there who are interested in getting on the microwave bands but aren't aware of the local activity (limited, though it is), or are not sure how to go about getting on the band.

In an effort to get the microwave crowd together, to meet each other, share ideas and plan some activities, we are going to get together for breakfast on the first Saturday of every other month starting in December. This will be very informal and we aren't trying to form a club. We just want the people who are interested in microwave to have a set time to get together and see what happens. It should be fun.

We will start out by meeting for breakfast at the Dee's Family Restaurant on the corner of 700 E and 2100 S. in Salt Lake, at 8:30 AM. You may order a complete breakfast or just a cup of coffee. Again, it will be the first Saturday of every other month starting in December. That means Dec 4, Feb 5, Apr 2, etc.

If you are keen on the stuff beyond UHF, I hope to see you there.

73

Ron K7RJ

## Editor's Note

Thank all those who have helped me with *The Microvolt* this year. I have enjoyed doing it. Special thanks to Ron Speirs, K7RLS, for the great photographs which have appeared every month; Linda Reeder, N7HVF, for obtaining articles; Gordon Smith, K7HFV, for correcting my mistakes and proof-reading every issue; Bryan Mogensen, KD7LEA, and Brett Sutherland, N7KG, for printing and sending it out; and Glen Worthington, WA7X for his timely President's Messages. Also special thanks for all those many people who submitted articles this year. Please support the new *Microvolt* Editor and other UARC Officers and Board Members.

Please also remember there is a lot of help needed to make UARC progress and have another successful year.

Gary Openshaw, KC7AWU

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PS Form 3526, October 1999 (Reverse)

## Exam Schedule

11/30/04*	(Tues.)	Salt Lake C.	Eugene McWherter-N7OVT	541-1871
12/04/04	(Sat.)	Salt Lake C.	Gordon Smith-K7HFV	582-2438
12/11/04	(Sat.)	Logan	Heidi Black-AC7ZC	(435) 753-7487
12/11/04	(Sat.)	Tremonton	Robert A. Anderson-AA7TR	(435) 257-2154
12/15/04	(Wed.)	Provo	Steve Whitehead-NV7V	465-3983
(Last Tuesday test in Salt Lake City omitted in December.)				
01/19/05	(Wed.)	Provo	Steve Whitehead-NV7V	465-3983
01/19/05	(Wed.)	St. George	Ronald C. Sappington-WI7Z	(435) 673-4552
01/25/05*	(Tues.)	Salt Lake C.	Eugene McWherter-N7OVT	541-1871
01/25/05	(Thu.)	Roosevelt	R Chandler Fisher-W7BYU	(435) 722-5440
02/05/05	(Sat.)	Salt Lake C.	Gordon Smith-K7HFV	582-2438

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