

This picture was just one of the many projects displayed at Homebrew Night at the UARC Meeting. Next meeting will Be November 4<sup>th</sup>, at 7:30pm. Newcomers come at 7:00pm. Nominations will be taken for election of officers.

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# Microvolt

NOVEMBER, 2004

Please Send Dues to:

**SEND TO**

UARC

c/o Dick Keddington

1732 Woodside Dr #32

Holladay, Ut 84124-1624

The Microvolt (USPS 075-430) is published monthly except August for \$15.00 per year or \$1.50 per issue by the Utah Amateur Radio Club, 3666 South State Street, Salt Lake City, UT 84115-4848. Periodicals Postage Paid at Salt Lake City, Utah. POSTMASTER: Send Address changes to The Microvolt, c/o Dick Keddington, 1732 Woodside Dr #32, Holladay, UT 84124-1624.

## 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, 595 E. 100 S. Centerville, UT 84014-2365. 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
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"Book Lady": Fred Desmet, KI7KM	485-9245
Historian: Ron Speirs, K7RLS	968-4614
Field Day Chair: Lonnie Oaks, K7LO	255-1225
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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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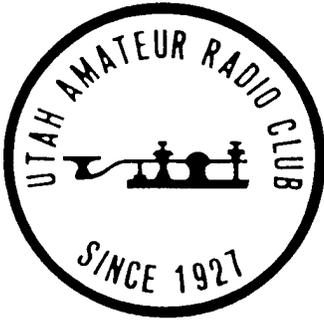
For late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to:  
[www.xmission.com/~uarc/announce.html](http://www.xmission.com/~uarc/announce.html)

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 10, November, 2004.



## QST from the Prez

**Glen Worthington, WA7X**

It is always an impressive meeting to see what homebrew night brings in October of each year and this year was no exception.

I am constantly reminded of the diversity of ham radio skills and how we are all brought together in a common bond of a hobby. Be sure and read about the presentations that were made during this meeting.

November meeting brings with it the nominations for club officers and support functions. We will be calling up a number of you to see if you are interested and willing to serve next year. Hopefully we will all have a number of fine club members to choose from. We will also be accepting nominations from the floor during the next meeting, so if you have an interest please speak up.

I would like to remind all the members and potential members that we are an ARRL affiliated club and if you get your ARRL membership through UARC, both UARC and the ARRL benefit. During Last meeting Mel Parks AC7CP gave away ARRL repeater directories to those who renewed their memberships!

One thing we do need as a club is feedback. We need to know which meetings have been most interesting and beneficial to you and what subjects you may want to hear more about. The perspectives of all members, new and long term, young and old, are valuable and important. Please send us your feedback by telling any member of the board of your input!

Remember, this is just a hobby, so let's keep having fun! Actually there and enjoying.

73  
Glen  
WA7X

## November Meeting

Remember nominations for 2005 officers are coming up in November. If you are interested in serving please contact Glen Worthington, W7AX. It is nice to have new hams take part and serve so the same people do not have to carry the load all the time.

## 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 Operators for next year.

## Member of the Month

Linda Reeder, N7HVF



This month we are featuring Bill Buhler, KD7NLF. Bill has been in amateur radio for three years. He received his Technician license in June 2001. Bill became interested in radio when he was twelve years old. Bill's family rented a motor home to go on vacation and it had a CB radio in it. Bill got himself a CB radio, but was disgusted with the truckers. He started reading about amateur radio, but he really didn't know anyone in the hobby.

When Bill returned home from his mission he was doing research for his job on atomic clocks. They wanted to use them for keeping accurate timing on their computers. It was then that he learned about WWV and decided to check out amateur radio again.

Bill decided to go Eugene McWherter's N7OVT test session and give this test a try. He only missed one question. An interesting thing happened. The VE, Bruce Clark, KJ7BC, who gave Bill the test was the father of one of his friends who he grew up with. After Bill passed his test, Bruce became one of his mentors. Bill said that Mark Richardson, W7HPW, and Gordon Smith, K7HFV, were also great mentors for him.

The last three years, Bill, along with Gordon Smith, K7HFV, and Gary Crum, KK7DV, have participated in the Wasatch 100 run. Bill is a member of UARC and assisted Mark Richardson, W7HPW, in putting together the IRLP for UARC. Bill enjoys helping in emergencies and just talking on the radio and having fun.

Bill works for Techcon as a network engineer. Bill is attending night school. He is studying business; management. Bill says this puts a crimp in attending the UARC meetings.

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

73 N7HVF Linda Reeder

## October Meeting-Homebrew

Homebrew night on October 7<sup>th</sup> at the last UARC Meeting was a complete success. Here are some entries that were given:



Chuck Johnson's, WA7JOS, project was too big to bring to the meeting, so he presented a power-point presentation on wiring a relay to tell if he was on the internet or not to be by the computer.



Bryan Mogensen, KD7LEA, holds up a microwave horn.



Dale Heisler, WJ7L, displays a homebrew 40-meter receiver with quadrature audio channels.



Ron Speirs displays his power panel.



Bryan Scott, K7BLK, displays his omni-directional antenna for the 33-cm band.



Robert Scofield, KB7GSE, displays his equipment to hook up a telephone to a radio to receive so he can hear.



Ned Stevens, K7ELP, displays his light with homebrew dimmer.



John Bradshaw, KA7TGR, displays his completed AM broadcaster kit.



Clint Turner, KA7OEI, displays his QRP antenna tuner.



Brett Sutherland's son, Alex, displays a keyer.



These two kids won at the Kids Roundup



Brett Sutherland, N7KG, displays his clock.



Brett Sutherland's son, Nathan, KD7YYN, displays a homebrew LED flashlight.

## Correction

We erred last month in stating that Weston Taylor was one of the "Hardware Wars" participants at the September meeting. What we should have said was that the participant was Weston's father, Steve, KD7YJI. Thanks to Steve for joining the contest.

## Exam Schedule

11/03/04	(Wed.)	Farmington	Fred Villanueva-N7FV	939-4046
11/17/04	(Wed.)	Provo	Steve Whitehead-NV7V	465-3983
11/17/04	(Wed.)	St. George	Ronald C. Sappington-WI7Z	(435) 673-4552
11/18/04	(Thu.)	Roosevelt	R Chandler Fisher-W7BYU	(435) 722-5440
11/30/04*	(Tues.)	Salt Lake C.	Eugene McWherter-N7OVT	484-6355
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	484-6355
01/25/05	(Thu.)	Roosevelt	R Chandler Fisher-W7BYU	(435) 722-5440
02/05/05	(Sat.)	Salt Lake C.	Gordon Smith-K7HFV	582-2438

\*Only Technician elements (1 and 2) given at this session

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**Bob Wood, W7OAD  
UARC Member**