

# The *Microvolt*

October, 2008



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c/o Dick Keddington  
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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's Warnock Engineering Building in room 1230, The "Duke Classroom."

**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, 1933 Woodside Drive, Holladay, UT 84124-1632. ARRL membership renewals should specify ARRL Club #1602.

**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-) has autopatch facilities for Provo which are currently disabled due to abuse and for Salt Lake which is in need of reworking to be compatible with IRLP.

**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 (uarc@xmission.com), but other means including diskettes and typewritten submissions can be mailed directly to: Tony Naef, 4585 Sunstone Rd. #327, Taylorsville, UT 84123. 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, 1933 Woodside Drive, Holladay, UT, 84124-1632.

## UARC 2008 Board

President: John Brewer, N7MFQ	(435) 837-5646
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Treasurer: Chuck Johnson, WA7JOS	268-0153
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Program Chair: Howard Armstrong, KE7KNN	967-4394
Imm. Past Pres: Roy Eichelberger, W7ROY	571-2447

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Historian: Ron Speirs, K7RLS	968-4614
Field Day Chair:	
Club Trustee: Brett Sutherland, N7KG	298-5399
Engineer: Randy Finch, K7SL	556-7565
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

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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:  
[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 this Web-Page service.



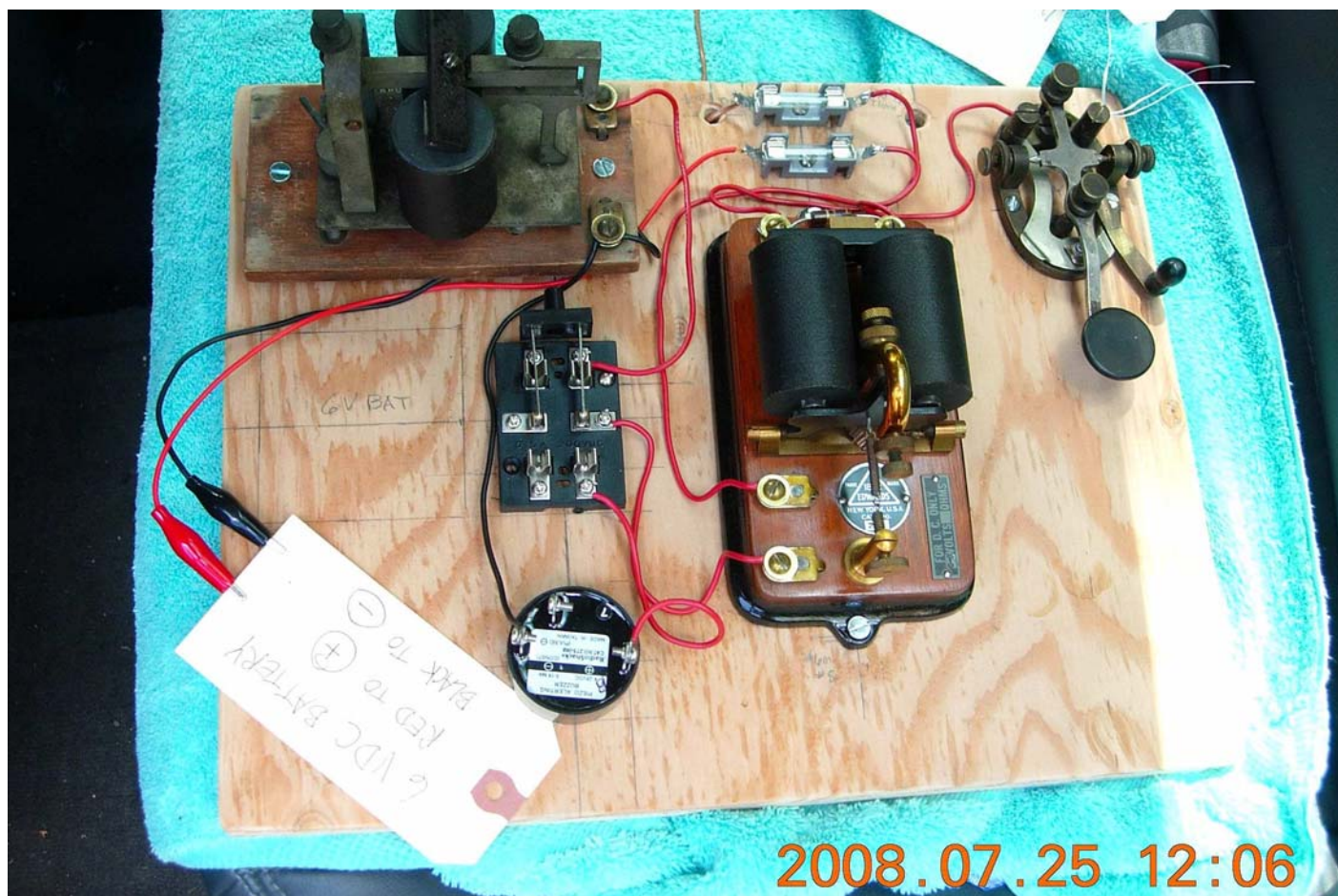
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# The Microvolt

The Official Publication of the Utah Amateur Radio Club, Salt Lake City, Utah  
Volume 51, Issue 9, October 2008

## November Meeting: Rockport & Wanship Telegraph Co. (symbol RWTC)



The complete telegraph station including an 1872 "Edwards Relay."  
(Photo by Dick Leining, W7DML)

Radiotelegraphy's parent is, of course, wire telegraphy. Recently Dick Leining, W7DML, and Bruce Longstroth, N7FJG, gave a demonstration, ala 1860's. Dick writes:

The November meeting of the Utah Amateur Radio Club (UARC), occurring so long after July 27, 2008, and so far from Summit County, Utah, may seem like anticlimax. The Company's antique capital of less than \$1000, rescued from creditors, investors, and sheriff's deputies at the Mountain Spirit Heritage Festival, Rockport State Park, will be displayed at the meeting.

The principals (Dick Leining, W7DML, and Bruce Longstroth, N7FJG) will surface long enough to describe meteoric careers in landline telegraphy. No spring chickens themselves, they will advise members how to cope with middle-age burnout. In the spirit of country first, they have consented to hands-on operation of surviving equipment by members who wish to send and receive 100% American Morse. (Use of International/Continental Code will be tolerated in cases of Central-European ancestry.) The speakers cannot, regrettably, distribute unregistered securities in Utah but as consolation will project illustrations and offer golden message forms.

For historical background, please visit [www.uintaheadwaters.org/heritage.shtml](http://www.uintaheadwaters.org/heritage.shtml). In the paragraph beginning "Telegraph deciphering demonstration..." admirers of Oliver Heaviside should click the highlighted word "here."

That's Thursday, November 6, at 7:30 PM, in Room 1230 of the Warnock Engineering Building on the University of Utah campus. For information and a map showing how to find this building, see [www.xmission.com/~uarc/meetmap.html](http://www.xmission.com/~uarc/meetmap.html). The meeting will include the usual features of a UARC meeting including a chance to look over and purchase ARRL books, pay UARC or ARRL dues, and maybe win a door prize. For those who would like to get together for a bite to eat beforehand, the "Meeting before the Meeting" this month is at "Charlie Chow's Dragon Grill," 255 E. 400 South. Those capable of holding two suppers may compete after the meeting at Litza's Pizza, 716 E. 400 South.

## **Latest News**

### **Nominations**

In addition to Dick and Bruce's presentation, the November meeting will include nominations for 2008 UARC officers. A nominating committee will present a slate of candidates who have agreed to run and further nominations will be accepted from the floor. Think about who you would like to have lead the club in the coming year, and even consider volunteering for an office. We're sure there must be some energetic folks out there who would like to help and would likely have fun doing it.

### **Our Cover**

Our cover photo this month shows the complete system of the Rockport and Wanship Telegraph Company including the south (foreground) and north stations and the line and poles connecting the two. This was as displayed at the Mountain

Spirit Heritage Festival. More details to be supplied at the October UARC meeting.

### **ARES/RACES Conference**

The annual ARES/RACES conference will be held on Saturday, November 8, at the Red Lion Hotel, 161 W. 600 South, in Salt Lake City. It will run from 8 A.M. to 4 P.M. The conference should be helpful to all those participating in the emergency organizations Radio Amateur Civil Emergency Service (RACES) and the Amateur Radio Emergency Service (ARES).

To attend, it is necessary to pre-register. This can be done on-line by going to:

<https://www.utah.train.org/DesktopShell.aspx>.

You must then either login (if you already have an account) or follow the "Create Account" link. Then find the conference in question by searching

for “ARES” or “RACES” or using the conference number: 1011069.

## **Images from Homebrew Night (October 2)**



John Hardy, K7ALA shows a charger for many AAs



John also showed a mini LED Flashlight.



Michael Robinson, KE7AQL shows his RS232-to-TTL converter for interfacing rig to computer.

We show here photos from UARC’s annual “Homebrew Night,” a chance for hams to show off their home-built amateur radio equipment. It was held this year on Thursday, October 2. Program Chairperson Jed Petrovich, AD7KG, was the MC. Photos were provided by John Brewer, N7MFQ, and Bryan Scott, K7BLK.





Bob Harbrecht, KE7QEQ, has an extendible J-Pole

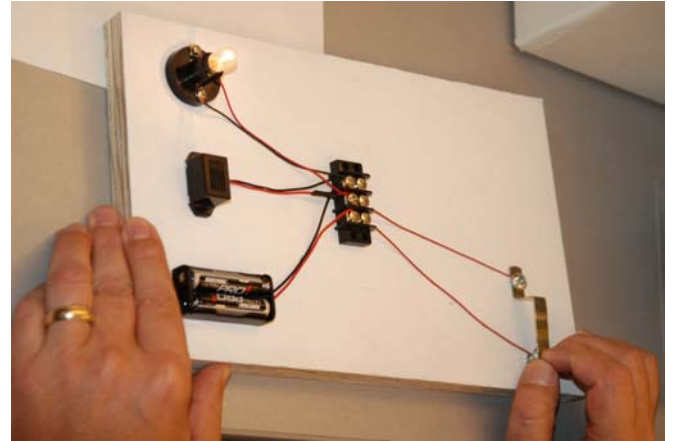
Not shown is the “spouse replacement” unit built by Andy Johnson, KE7UQO. This device is intended for use when the OM needs to be operating a contest, but the XYL wants company. When actuated, the device picks and voices a statement from a repertoire of “spouse-friendly” lines such as “Yes, dear, I should have known — you were right all along.”



Bob shows a solar panel/battery/inverter package.



For a retro-project, Bryan Mogensen, W7CBM, built a code-practice oscillator using a vacuum tube.



Jed, AD7KG, has a minimalist code-practice setup.

Ron Jones, K7RJ, built a mount allowing fine adjustment of a laser pointer to allow for modulated light-beam communications over more than 100 miles.

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## License Examination Schedule

Date	Location	Contact Person	Phone
10/28/08 (Tue.)	Salt Lake C.	Eugene McWherter, N7OVT	541-1871 <sup>1</sup>
11/05/08 (Wed.)	Clearfield	Mike Youngs, KK7VZ	573-3922
11/19/08 (Wed.)	Provo	Steve Whitehead, NV7V	465-3983
11/19/08 (Wed.)	St. George	Gary O. Zabriskie, N7ARE	(435) 674-2678
11/20/08 (Wed.)	Roosevelt	R. Chandler Fisher, W7BYU	(435) 722-5440
11/19/08 (Wed.)	Provo	Steve Whitehead, NV7V	465-3983
11/19/08 (Wed.)	St. George	Gary O. Zabriskie, N7ARE	(435) 674-2678
11/25/08 (Tue.)	Salt Lake C.	Eugene McWherter, N7OVT	541-1871 <sup>1</sup>
12/06/08 (Sat.)	Salt Lake C.	Gordon Smith, K7HFV	582-2438 <sup>1</sup>
12/13/08 (Sat.)	Logan	Roberta M. Lofthouse, KJ7LQ	(435) 245-6632

Footnote 1: Preregistration is required. Check with the contact person prior to the exam.