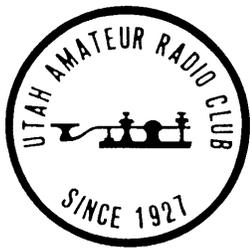




Mark Richardson, W7PHW gave us a very informative presentation on his collection of antique radios.



Volume 49, Issue 1, January 2006

Periodicals Postage

The  
**Microvolt**

Please Send Dues to:  
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*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*, Dick Keddington, 1992 El Dorado Drive, Holladay, UT 84124-1652.

## 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, 1992 El Dorado Drive, Holladay, UT 84124-1652. 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 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 (uarc@xmission.com), but other means including diskettes and typewritten submissions can be mailed directly to: Telvin Mills, 6864 Beargrass Rd., West Jordan, UT 84084. 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, 1992 El Dorado Drive, Holladay, UT, 84124-1652.

## UARC 2005 Board

President:: Roy Eichelberger, W7ROY	571-2447
Executive VP: John Brewer , N7MFQ	837-5646
Vice Pres: Gordon Smith, K7HFV	582-2438
Secretary: Dick Keddington, KD7TDZ	274-9638
Treasurer: Chuck Johnson, WA7JOS	268-0153
<i>Microvolt</i> Editor: Telvin Mills, KB6BYU	968-5089
Asst. <i>Microvolt</i> Editor: Bryan Mogensen, W7CBM	281-1752
Program Chair: Brett Sutherland, N7KG	298-5399
Program Chair: Dave Jeffs, KK7WI	918-3141
Imm. Past Pres: Glen Worthington, WA7X	272-8825

## Committee Chairpersons and Members

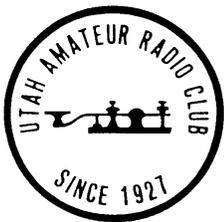
"Book Lady": Fred Desmet, KI7KM	485-9245
Historian: Ron Speirs, K7RLS	968-4614
Field Day Chair: Vacant	
Club Trustee: Brett Sutherland, N7KG	298-5399
Engineer: Randy Finch, K7SL	277-7135
ATV Engineer: Clint Turner, KA7OEI	566-4497
Board Liaison &	
Autopatch Engineer: Gordon Smith, K7HFV	582-2438
Provo Autopatch Host &	
ATV Engineer: Dale Jarvis, WB7FID	224-3405

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.

For account information go to:  
<http://www.xmission.com/>  
Or call 801 539-0852





# The Microvolt

## QST From the Prez

Well, another year is about to end and the club has had its elections. I would like to take just a minute to thank all of you for your support and friendship. As your president I will do my best to address the needs of our club and its members.

I would like to thank Glen, WA7X, for serving as our president these past two years. I appreciate all the time and effort he has given to us and the great example he has been to me. I'd like to continue on in the tradition of Glen by using his phrase "remember it's only a hobby." I do feel that there is a need to adhere to the rules as to what we do on the air, but let's not get so caught up in the letter of the law that we can't have some fun.

I, like past presidents, would like to address certain issues and try to get people involved in them. People hold the future of our hobby. The hobby not only relies on adult involvement, but the real future of our hobby is the youth. The future will be a lot brighter with them involved. I

applaud the young people in this hobby and hope everyone will encourage more to get involved in it. Looking back when I was in elementary school, I remember a classmate's dad bringing his H.F. rig and a random wire antenna. He set it up for us to listen and talk on the air.

**KID's Day** –Give kids the chance to get on the air and spark that desire.



**JOTA**—My grandson got his first official exposure to ham radio at a JOTA program that the Ogden Club put on for their scout council at a park in Hooper. I feel very bad that there is no interest in the Salt Lake Council for this program. There have been district level activities for JOTA in the Salt Lake Council, but nothing for the entire council. Come on, Scouts, let's put pressure on the council and start now to plan for this activity in October.

**ELMERING**--Got a background in a particular area?



Share it! Let the club know so that we can get your name on the web site so people know where your interests lie. Those being elmered please do not expect to have an elmer do everything for you. Let him or her assist you in learning what he or she knows. They are there to assist and teach you what they know!

I will get off my soap box now. I hope that all had a Great Holiday Season. I hope the Jolly Old Elf was good to you! Have a Successful and Happy New Year!!

73' de W7ROY

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### Special points of interest:

- ◆ *Membership Dues to Increase March 1, 2006*
- ◆ *P. Hal Bergeson, WOMXY, SK*
- ◆ *WIMU 2006, Jackson Hole, August 4, 5, 6, 2006*
- ◆ *Technician License Class January 4, 2006*

## Technician License Class

The Salt Lake County ARES is sponsoring a Technician license class to be held starting Wednesday, 7:00 PM on January 4, 2006. Class is on Wednesday and Thursday nights, (2 Nights per week), for four weeks. We are using

the W5YI book.

Cost is \$10 plus cost of the book. 95% of the \$10 is used for door prizes to keep attendance up. We have a small room at present but can expand into a larger one if nec-



essary. Please contact me, Russ Scholz, K7MRS, at 278-7861 if interested.



## January Meeting: What Can ARRL Do For You?

Most hams have heard of ARRL —The American Radio Relay League—but some may have only a vague idea of just what it is. We'll be starting the new year with a program where you can find out just about everything you've wanted to know about ARRL and why it benefits all of us. Our January 5 meeting will feature your Utah Section Manager, Mel Parkes, AC7CP, who will give us the benefit of this ARRL knowledge.

Besides publishing *QST* magazine, ARRL sponsors some of the best known contest and awards such as Field Day, Sweepstakes, Worked All States, and DX Century Club. The Amateur Radio Emergency Service (ARES) and the National Traffic System (NTS) were organized by ARRL. The League also offers its members technical help and advice in cases where there is legal difficulty erecting antennas.

Probably the most important ARRL activity is its lobbying at the federal level against adverse laws and regulations. It is currently very active in the fight to keep BPL (Broadband Internet over Power Lines) from operating in a way that interferes with the amateur spectrum.

**“ARRL sponsors some of the best known contest and awards...”**

Of course, the meeting will include the “standard” meeting features:

- Availability of ARRL books from Fred, the “book lady”;
- An opportunity to join UARC or re-new your membership
- An opportunity to join ARRL or re-

new your membership

- The chance to meet face-to-face the people you talk to on the air
- The “Meeting(s) after the meeting”:

A chance to enjoy pizza or other gastronomic delights with other hams. One group goes to Litza's Pizze, 716 E. 400 South. Another group goes to a restaurant that varies from month to month, but will be announced at the meeting.

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. This time it will be at the “Greek Souvlaki,” 404E 300 South in Salt Lake City.

## New UARC Board of Directors



At the December meeting a new Board of Directors were elected. The new board consist of from left to right: President: Roy Eichleberger, W7ROY; Vice President: Gordon Smith, K7HFV; Secretary: Dick Keddington, KD7TDZ; Program Chairperson: Dave Jeffs, KK7WI; Executive Vice President: John Brewer, N7MFQ; *Microvolt* Editor: Telvin Mills, KB6BYU; Treasurer: Chuck Johnson, WA7JOS; Asst. *Microvolt* Editor: Bryan Morgensen, W7CBW; Program Chairperson: Brett Sutherland, N7KG .

## Feature of the Month

This month we are featuring Dave Jeffs, KK7WI. Dave received his first ham license in May 1999. It was his co-worker, Gary Johnson, N7DND, who got Dave interested in the hobby. It was Dave's goal to go all the way to Extra before the restructuring of the amateur radio licensing took effect April 2000. Dave made it to Advanced and decided to keep it. Dave said the Advanced license is now antique, because it is no longer available.

Dave is very active in amateur radio. Dave has received his Worked All States award on 40 and 75 meters. The furthest contact Dave has made is in South America. Dave is very active on the Beehive Net and the Farm Net. He is a member of UARC, Davis County Amateur Radio Club and the ARRL. Dave's favorite thing about amateur radio is meeting new people. Dave says he has met some very interesting people in this hobby.



Even though Dave has been interested in electronics since he was 9 years old, he just didn't get around to getting in to amateur radio. There were too many other

irons on the fire such as: education, career, marriage, and raising a family. Now that his children are all grown Dave has more time to pursue his hobby in amateur radio. Dave and his wife Marylee have one boy and two girls and 5 grandchildren. Dave and his wife Marylee love to go camping. They are also on a bowling league. They participate in national bowling tournaments.

Dave works for the state of Utah. Dave is an Information Technology Assistant Administrator. He is also a computer specialist. Dave has worked there for 23 years. Dave said he started from the bottom working in the mailroom while he was attending Weber State College. Now he is at the top. Dave has been in computers since 1970. Dave has been elected one of the Program Chairperson for UARC for the year 2006.

Dave, congratulations; we know you will do a great job.

73, Linda Reeder, N7HVF

## Membership Dues to Increase

At the December 1 meeting of the Utah Amateur Radio Club, the club unanimously approved a recommendation of the board of directors to raise the annual dues from \$15 to \$17. Additional family memberships will remain at \$9.00. Expenses have been running very close to income for the last several years and the change should allow more margin. It will also make it possible to investigate allowing dues payments on line and to cover the extra cost involved.

The \$17 rate will become effective on

March 1, 2006. Up until that time new memberships and renewals can be paid at the old rate for any desired number of

**“Expenses have been running very close to income for the last several years.....”**

years in the future. Anyone who would like to take advantage of the one-time opportunity should contact the Secretary.

See Dick, KD7TDZ, at the January or February meeting or send your dues by March 1, 2006 to:

Utah Amateur Radio Club  
C/O Dick Keddington  
1992 El Dorado Drive  
Holladay, Utah 84124-1652  
Phone: 274-9638

## WIMU Hamfest

The WIMU Hamfest will be held again, August 4-6, 2006, in Jackson Hole, Wyoming!

Hams who have been active in the Intermountain region for a decade or more may remember the WIMU (Wyoming-Idaho-Montana-Utah) Hamfest. For over forty years the event was held every summer in the Island Park area of

later moved to West Yellowstone, Montana, and then to Jackson Hole, Wyoming. Responsibility for administering the hamfest rotated among the four states. During the period of 1992-1996, the location of the hamfest also rotated. The last known event was in 1996 in Park City, Utah.

The Teton Amateur Radio Club in Jack-

son Radio Club in Jackson is working to revive the event in 2006. More information is available at the official WIMU web site, [www.redgiant.org/wimu2006/](http://www.redgiant.org/wimu2006/), which will be updated as the event draws closer.

Utah ARRL Section Manager Mel Parkes, AC7CP, has requested that *Please see WIMU on Page 8*

## Microwave Breakfast

December was the one year anniversary of the regular breakfast get together for the people interested in amateur microwave bands. We had a total of 11 people come to the breakfast and resulting extending eyeball QSO and show and tell in the parking lot. This time the hit was a real live DX contact across the parking lot on 24 GHz.

Everyone is welcome. We get together every other first Saturday (Feb., Apr., Jun, etc) at 8:30AM at the Marie Calendar Restaurant on Foothill and 1300 South in Salt Lake City.

**“This time we had a real live DX contact across the parking lot on 24 GHz.”**

We have a Yahoo news group also. Got to Yahoo.com and sign up for the Utah microwave group to get the latest local news.

Come up to the microwave bands and use up those RF cycles that you have been granted and that you so miserly save on 2 meter and other DC bands.

73, Ron, K7RJ



## P. Hal Bergeson, WOMXY, SK

Jim, K7CQM, brings us word of the passing of Hal Bergeson, WOMXY. He died on November 14 of colon cancer at the age of 64. Hal had been living in Colorado for quite a number of years but grew up in Lewiston, Utah (Cache County) and is remembered by many as K7GOG from the 50s and 60s. Jim writes: Although Hal lived in Colorado, he grew up in Utah State University as K7GOG.

Hal was very active in Colorado VHF groups, always sending me e-mails about 6-meter openings with interests all the way up to 10 GHz. On the low

bands he was usually found on 20, 40 and 15 meters and usually on QRP CW. He



was a fantastic photographer. His photographs have been on the cover of QST and in CQ magazine as well as many commercial magazines. I went to school with Hal at

Utah State and so could go on with 40 years of memories.

Newsline reports that Hal for several years was a co-holder with W0LD of the 24 GHz U.S. distance record from Pikes Peak. He operated with WB0DRL contest station in the 1990's and served as vice-president of Central States VHF Society in 1995. He also co-hosted the conference held in Colorado Springs that year. Dr. Bergeson also helped lead a successful campaign to keep amateur radio towers and antennas legal in Colorado.

## December Meeting: Antique Radio

Here are a few pictures of Mark, W7HPW, antique radio collection.



## WIMU

*Continued from page 5*

area clubs make donations to get the hamfest started. Specifically, he has asked UARC to make a \$150 donation. According to UARC bylaws, expenditures must be approved by the Board of Directors. The Board has decided to table the matter until further information can be obtained by the sponsoring group. There are some unanswered questions about why such a large starting sum is needed and how the sponsoring club will calculate its own profit. (About \$1500 is already available from the 1996 hamfest.) The Board will examine the matter further when more information is available.



## Rigging On A Budget

Established tower rigging companies will undoubtedly take note of this jpeg image featuring alternative rigging technology. Note the near-infinite electrical resistance that protects the tower climber at all times, unless it rains, and provided the climber lives to recount the experience.

## Help Wanted: Utah Net

UARC needs help with the Information Net on Sunday evenings at 9:00 PM. Net Control Operators are needed as well as someone to do Other Club Information. Please contact Mike, KK7VZ@arrl.net or 573-3922.)



## Exam Schedule

1/18/06 (Wed.) St. George  
Contact: Ron C. Sappington, WI7Z  
Phone: (435) 673-4552

1/18/06 (Wed.) Provo  
Contact: Steve Whitehead, NV7V  
Phone: (801) 465-3983

1/26/06<sup>1</sup> (Thu.) Roosevelt  
Contact: R. Chandler Fisher, W7BYU  
Phone: (435) 722-5440

1/31/06<sup>1</sup> (Tues.) Salt Lake City  
Contact: Eugene McWherter, N7OVT  
Phone: (801) 541-1871

2/01/06 (Wed.) Ogden  
Contact: Mary Hazard, W7UE  
Phone: (801) 430-0306

2/04/06<sup>1</sup> (Sat.) Salt Lake City  
Contact: Gordon Smith, K7HFV  
Phone: (801) 582-2438

2/15/06 (Wed.) Provo  
Contact: Steve Whitehead, NV7V  
Phone: (801) 465-3983

2/15/06 (Wed.) St. George  
Contact: Ron C. Sappington, WI7Z  
Phone: (435) 673-4552

2/28/06<sup>1</sup> (Tues.) Salt Lake City  
Contact: Eugene McWherter, N7OVT  
Phone: (801) 541-1871

3/01/06 (Wed.) Farmington  
Contact: Rena Skeen, AD7BX  
Phone: (801) 773-7048

3/11/06 (Sat.) Logan  
Contact: Heidi Bleazard, AC7ZC  
Phone: (435) 753-7487

3/15/06 (Wed.) Provo  
Contact: Steve Whitehead, NV7V  
Phone: (801) 465-3983

3/15/06 (Wed.) St. George  
Contact: Ron C. Sappington, WI7Z  
Phone: (435) 673-4552

3/28/06<sup>1</sup> (Tues.) Salt Lake City  
Contact: Eugene McWherter, N7OVT  
Phone: (801) 541-1871

3/30/06 (Thu.) Roosevelt  
Contact: R. Chandler Fisher, W7BYU  
Phone: (435) 722-5440

4/01/06<sup>1</sup> (Sat.) Salt Lake City  
Contact: Gordon Smith, K7HFV  
Phone: (801) 582-2438

<sup>1</sup> Pre-registration required. Contact the contact person prior to the examination date.

For more detail either call the contact or checkout the information on our web-page:

<http://www.xmission.com/~uarc>