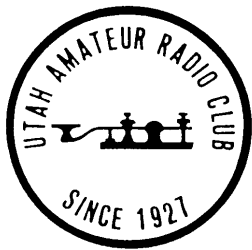




For those who braved the snowy and icy roads, we were excited to have Woody, W7KOP, talk about the history and early days of fiber optics. It was also a treat to listen to him describe his first transmitter made from a spark coil from an old Model T and his shocking experience of working on a power supply without bleeding off the capacitor. Mark, W7HPW, is working on producing a DVD of Woody's life history in amateur radio.

February Meeting Topic: ARRL Section News



Volume 50, Issue 2, February 2007

Periodicals Postage

The Microvolt

DATED MATERIAL – PLEASE DO NOT DELAY

SEND TO

Please Send Dues to:
UARC
c/o Dick Keddington
1933 Woodside Drive
Holladay, UT 84124-1632

The Microvolt (USPS 075-430) is published monthly except August for \$17.00 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, 1933 Woodside Drive, Holladay, UT 84124-1632.

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 103.

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: 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, 1933 Woodside Drive, Holladay, UT, 84124-1632.

UARC 2007 Board

President: John Brewer, N7MFQ	837-5646
Executive: VP: John Hays, K7VE	446-1899
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: Toby Herrera, KE7GKU	
Program Chair: Dale Heisler, WJ7L	278-6458
Program Chair: Linda Reeder, N7HVF	364-7006
Imm. Past Pres: Roy Eichelberger, W7ROY	571-2447

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

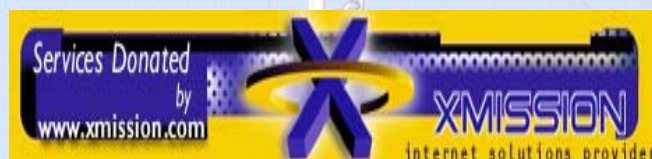
IRLP Information

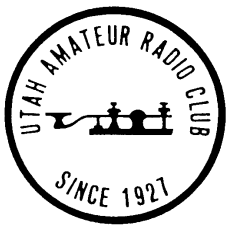
For information on using the club's IRLP node on the 146.76 repeater, check <http://www.utaharc.org/irlp>.

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

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





QST From the Prez

Now that the New Year has begun, it is almost time for the VHF Society's Annual Swap Meet. The swap meet will be February 24, 2007, at the Utah State Fairgrounds, in the Zion Building. It starts at 8:00am, and if you have never been, you have missed out!

I would like to take this opportunity to encourage anyone who is not a member to join. Their dues are \$12 per calendar year, and by joining, you get into the swap meet free. From their web site: "The Utah VHF Society is a non-profit organization founded in 1968 to promote and coordinate the installation and use of VHF/UHF amateur repeaters throughout Utah. The society also provides financial support for aligned repeaters and serves as the recognized Frequency Coordination entity for the state of Utah."



I would also encourage membership in ARRL. Membership in ARRL does cost a bit more, but I feel it is a good value. There are too many benefits to list here, and if you join through UARC, there is an additional benefit to the club.

More news from ARRL on the codeless amateur of the future: "The ARRL has learned that the FCC's *Report and Order (R&O)* in the "Morse code proceeding," WT Docket 05-235, is scheduled to appear in the *Federal Register* Wednesday, January 24. Assuming that occurs, the new Part 97 rules deleting any Morse code examination requirement for Amateur Radio license applicants would go into effect Friday, February 23, 2007. The League cautions that this date is *tentative*, pending official confirmation and publication.

"This change eliminates an unnecessary regulatory burden that may discourage current Amateur Radio operators from advancing their skills and participating more fully in the benefits of Amateur Radio," the FCC remarked in the Morse code *R&O*." See the full article on ARRL's web site.

I am looking forward to hearing Mel Parkes talk to us about the effect the FCC's Report and Order will have on the future of Amateur Radio, and Brett speaking about etiquette on the radio at the February meeting. I hope to see you all there.

That's all for now.
John, N7MFQ

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Special points of interest:

- ◆ *Next UARC Meeting February 1st—ARRL Section News*
- ◆ *FCC Drops Morse Code Testing*
- ◆ *Field Day June 23, 24 at Payson Lakes*
- ◆ *Steak Fry, July 14th at the Spruces Camp-ground*



Member of the Month

This month we are featuring Dale Heisler WJ7L. Dale has been in amateur radio since April, 1964. Dale was 13 years old when he obtained his Novice license. His call sign was WN1EKT. Dale was living in Boston, Massachusetts when he received his Novice license. Both of his parents worked for the Perkins school for the Blind. The Perkins School for the Blind had a club station. The call sign for the club station was K1TPX. Dale's family lived on campus of the Perkins School for the Blind. Dale could hear CW coming from a basement room. That is what got him started in the hobby. Dale really likes CW. Dale said he hates to see the importance of CW, especially in emergencies, fade away. He loves digging signals out of the noise. Dale says that through the years he has worked his way to the top. He now has his Extra Class license.

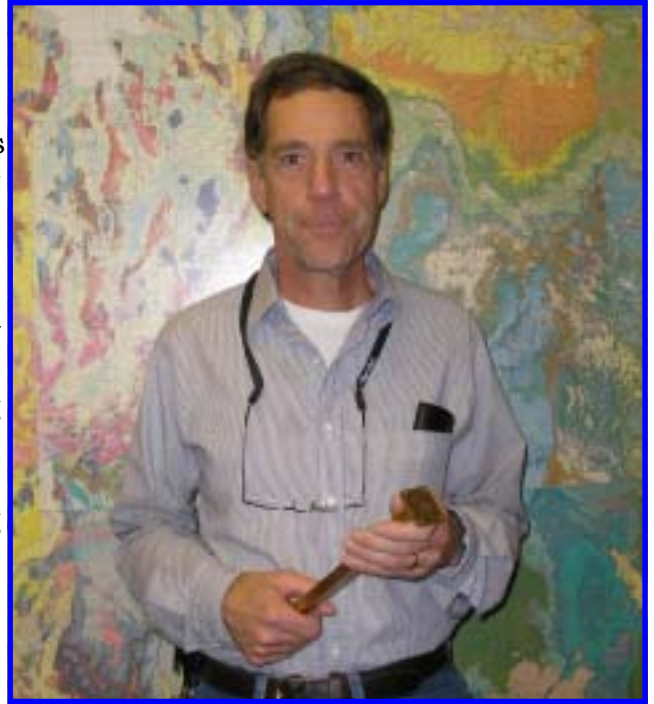
Dale says he has had some really great elmers who have been assets in helping him through the ranks of amateur radio, especially when he was a child.

Dale loves electronics. He likes to build equipment for

the microwave bands. He likes getting together with other local hams to build the equipment. He says they have a fantastic group working together to build this equipment. They are working on microwave building on 1296 MHz.

Dale participated in October homebrew night 2006. He built a sequencer to solve a problem unique to mast-mounted preamplifiers. A preamp at the antenna solves the problem of degraded receive performance due to coax loss. A pitfall, however, is that transmitting while the preamp is still connected can destroy the preamp. The sequencer makes sure that components of the station go on and off in the right sequence during the switch from receive to transmit. Dale also likes to work in the field with other hams on VHF and microwave contests.

Dale came to Salt Lake City in the early 1970's. Dale works for an electronic lab at the University of Utah. He works in instrumentation



for the physical sciences. Dale and his wife Shauna have three children, one girl and two boys. They are all grown now. They also have a granddaughter. Shauna has her General class license. Her call sign is WB7OQY.

Dale is a member of UARC. He has been elected one of the chairpersons for UARC for 2007. He has some great ideas for guest speakers. We know he will do a great job.

Dale, congratulations on being a new UARC board member. We wish you the best in all your endeavors.

73, Linda Reeder, N7HVF

Upcoming License Classes

Ron Speirs, K7RLS, will be conducting several licensing classes during the winter of 2007. Here are the details:

Target License Class	Starts	Schedule	Location
Technician	February 23	Feb. 23, (6:30 PM to 9:30 PM); Saturday 24th and Test Saturday Mar. 3rd (8:30 AM to 3:30 PM)	Monument Park North Stake Center (Primary room—north side, main level) 1320 Wasatch Drive, Salt Lake City
Extra	February 27	Tuesdays, approx. 8 weeks, 7-9 P.M.	Hunter (LDS) Fifth Ward 5065 W. Janette Ave. (3985 South) West Valley City, Utah

For the Technician class, please bring a sack lunch on both Saturdays. There is not time scheduled to go off premises for lunch.

The cost of each session is the cost of the appropriate manual, \$25 for Technician and \$25 for the Extra. In addition, a deposit of \$30 is required for the Extra classes. This deposit will be returned to those who either attend six of the seven sessions or pass the test. Deposits not returned will be donated to the Utah Amateur Radio Club. Applicants should also be prepared to pay a \$14 testing fee at the time of the examination.

Extra class does not include instruction in the International Morse Code. Programs and courses are available on internet.

For more information, contact Ron at 968-4614.

Pictures of Woody's, W7KOP Shack



UARC FINANCIAL STATEMENT

INCOME

ARRL Dues	\$1,044.00
Book Sales	\$3,66.23
Donations	\$101.72
Dues	\$4,911.00
Interest Income	\$258.07
Other Income	\$455.00

TOTAL INCOME **\$10,436.02**

EXPENSES

Administrative	\$131.42
ARRL Memberships	\$907.00
Bank Charges	\$10.83
Books	\$2,937.04
Ebay Fees	\$15.01
Field Day	\$1,471.78
Ham Hot Line	\$352.06
Insurance	\$374.00
Meeting Expense	\$229.66
Microvolt Labels	\$586.30
Postage	\$700.00
Printing	\$582.40
PayPal Fees	\$23.14
Repeater	\$311.29
Returned Check	\$4.00
Sales Tax	\$226.99
Shipping	\$37.47
Steak Fry	\$812.41

TOTAL EXPENSES **\$9,712.80**

NET **\$723.22**



FCC to Drop Morse Code Testing for ALL License Classes

The ARRL has learned that effective February 23, 2007, Morse Code will no longer be required for to obtain an Amateur Radio license.

In 1991, Morse Code was dropped from the requirements to obtain a Technician license. Once the new rules are in place, Amateur Radio license applicants no longer will have to demonstrate Morse code proficiency at any level to gain access to the HF bands.

The new rules also mean that all Technician licensees, whether or not they've passed a Morse code examination, will gain HF privileges identical to those of current Novice and Tech Plus (or Technician with Element 1 credit) licensees without having to apply for an upgrade. Novices and Technicians with Element 1 credit have CW privileges on 80, 40, 15 meters and CW, RTTY, data and SSB privileges on 10 meters.

For more information relevant to the FCC action see <http://www.arrl.org>.

Microwave Group

The microwave group has had to move its breakfast location to:

M a r i e C a l e n d a r R e s t a u r a n t
N.E. corner of 11th East and 39th South, Salt Lake.

8:30 AM on the 1st Saturday every other month beginning February. Our next breakfast will be on February 3.

We are into our 3rd year of these breakfasts. If you have a leaning toward the really high frequencies, come join us.

Those of us who have been here for a few decades will remember having dinner with our ham buddies at the old Marie's on Foothill over 30 years ago!!

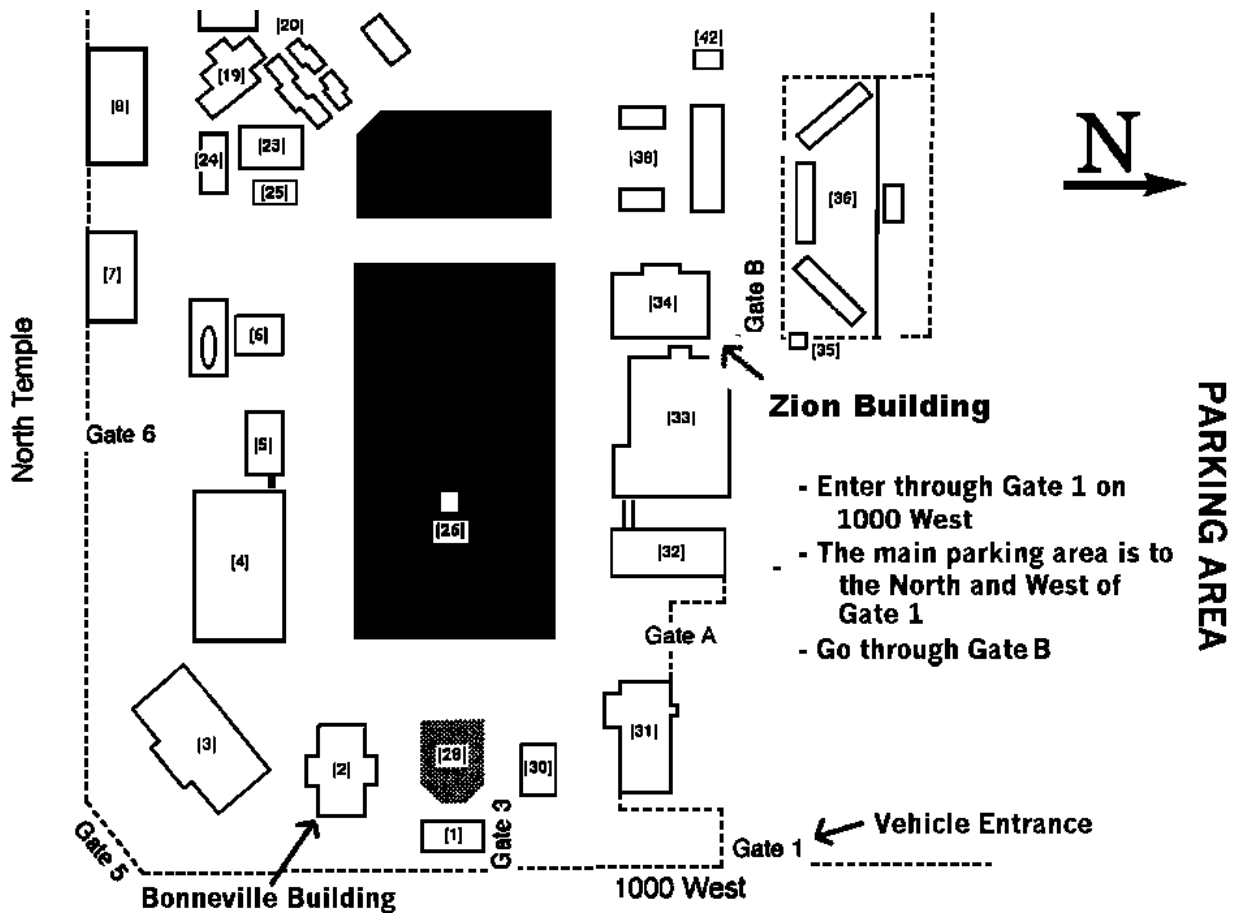
It's sorta' sad to see them close.

Ron K7RJ

Utah VHF Society Annual Swapmeet

Saturday, February 24, 2007: The 2007 Utah VHF Society annual swapmeet and elections meeting is scheduled to take place at the Utah State Fairgrounds starting at 8 AM or a bit earlier for those who have tables/spaces. The Utah State Fairgrounds are located along the north side of North Temple at about 10th West. The festivities will be in the Zion building - *the same building as last year - and the year before that , and the year before that....* The Zion building is located next to Gate B (see map) in building 34. If you have any doubt, just follow the crowd.

Admission is free for current UVHFS members, but there will be an entrance fee for non VHF Society members of \$3.00 for adults, and \$1.00 for those 12 and under.



Technician Class for Youth

Brett Sutherland, N7KG, is putting together a list of youth (adults) who would like to take a slower approach to getting their Technician license instead of the (fire hose) classes that take place over two weekends. These classes will be approximately 2 hours in length for seven to eight weeks. If there is enough interest, classes will begin near the end of February. Those who are interested, please contact Brett at 298-5399 or by e-mail at n7kg@arrl.net.

February Meeting: ARRL Section News

Thursday, February 1st, 7:30 PM, Room #103

The February UARC meeting will give us a chance to find out what is happening here in the Utah Section of the American Radio Relay League (ARRL). We will have our Section Manager, Mel Parkes, NM7P on hand. We can't guarantee anything, but Mel often comes with some goodies from the League to give away. Mel can answer any questions about Section activities such as what Utah traffic nets are active, how many counties have ARES organizations, and how one can become a (insert your favorite League appointment here).

We will also have the Section's Official Observer Coordinator, Brett Sutherland, N7KG. Brett will tell us how things are going in the Section with regard to good operating and rules compliance.

A topic that will undoubtedly be addressed is the FCC's recent decision to eliminate Morse Code testing for amateur licenses. (See www.arrl.org/fcc/morse/ for more information.)

That will be on Thursday, February 1st, at

the usual time, same building, **new room #103**.

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 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(s) after the meeting":

A chance to enjoy pizza or other gastronomic delights with other hams. One group goes to Litza's Pizza, 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 will be held at Crown Burger, 377 East 200 South.

Exam Schedule

02/03/07¹ (Sat.) Salt Lake City
Contact: Gordon Smith, K7HFV
Phone: (801) 582-2438

02/07/07 (Wed.) Ogden
Contact: Mary Hazard, W7UE
Phone: (801) 430-0306

2/21/07 (Wed.) Provo
Contact: Steve Whitehead, NV7V
Phone: (801) 465-3983

2/21/07 (Wed.) St. George
Contact: Ron C. Sappington, WI7Z
Phone: (435) 673-4552

2/27/07 (Tues.) Salt Lake City
Contact: Eugene McWherter, N7OVT
Phone: (801) 541-1871

3/07/07 (Wed.) Farmington
Contact: Mike Youngs, KK7VZ
Phone: (801) 573-3922

3/10/07 (Sat.) Logan
Contact: Roberta M. Lofthouse, KJ7LQ
Phone: (435) 245-6632

3/15/07 (Thu.) Roosevelt
Contact: R chandler Fisher, W7BYU
Phone: (435) 722-5440

3/21/07 (Wed.) Provo
Contact: Steve Whitehead, NV7V
Phone: (801) 465-3983

3/21/07 (Wed.) St. George
Contact: Ron C. Sappington, WI7Z
Phone: (435) 673-4552

3/27/07 (Tues.) Salt Lake City
Contact: Eugene McWherter, N7OVT
Phone: (801) 541-1871

04/07/07¹ (Sat.) Salt Lake City
Contact: Gordon Smith, K7HFV
Phone: (801) 582-2438

04/18/07 (Wed.) Provo
Contact: Steve Whitehead, NV7V
Phone: (801) 465-3983

04/18/07 (Wed.) St. George
Contact: Ron C. Sappington, WI7Z
Phone: (435) 673-4552

04/24/07 (Tues.) Salt Lake City
Contact: Eugene McWherter, N7OVT
Phone: (801) 541-1871

¹ 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>