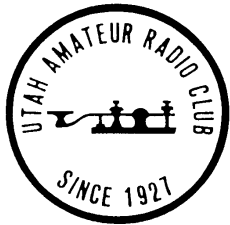


Ned Stevens, K7ELP, gave us a presentation on designing power supplies at the December UARC meeting.



Volume 48, Issue 1, January 2005

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The
Microvolt

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1732 Woodside Drive #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: 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: Tom Schaefer, 11678 Littler Rd., Sandy, UT 84092. 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 2005 Board

Table listing UARC 2005 Board members and their contact information, including President Glen Worthington, Executive VP Roy Eichelberger, and others.

Committee Chairpersons and Members

Table listing committee chairpersons and members, including 'Book Lady' Fred Desmet, Historian Ron Speirs, and various engineering and liaison roles.

Contents

Table of contents listing sections such as Prologue, UARC 2005 Board, QST from the Prez, December Meeting, January Meeting, UARC Elects New Officers for 2005, Member of the Month, About the ARRL, Help Wanted: UARC NET, Microwave Get Together, Brain Teaser, Technician Class, 2005 UARC Exam Schedule, and 2005 UARC Club Calendar.

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



The Microvolt

The Official Publication of the Utah Amateur Radio Club, Salt Lake City, Utah
Volume 49, Issue 1, January 2005



QST from the Prez

Glen Worthington, WA7X

Oh boy, another election and enough of you like us and we are in for another year. With the team of generous board members we have, we will have a great one. I'm sure that elsewhere in this issue we will have the details. I look forward to another year of fun, educational, practical and rewarding meetings and events for our hobby.

One thing I would like to encourage is to invite new hams that are not yet members and those interested in becoming ham operators to our events and meetings. A couple of events to look forward to this year will include the VHF Society swap meet in February, UARC sponsored Field Day, the Steak Fry and the Utah Hamfest in Bryce Canyon! All these events are great places to socialize, learn new skills and have the eyeball QSO's with those you usually only get to talk with over the radio.

At the last board meeting a lot of neat ideas were presented for meetings and I look forward to being at them to enjoy the expertise and wisdom of our fellow hams.

Hope you had a Merry Christmas and a Happy New Year.

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

73 de WA7X Glen

December Meeting

For those of you who missed the last club meeting, we had Ned Stevens, K7ELP, give a very informative presentation on "Building Power Supplies." He also gave away several electronic components to help you start building your own power supply. We would like to thank Ned for taking time out of his busy schedule to give this presentation to the club.

January Meeting

The January 6th meeting we will have Leonard ("Woody") Woodward, W7KOP speak to us on "Radio in the Early Days." Woody, who now lives in Provo, has a fascinating history in ham radio dating almost to the first decade of amateur radio. There were many good comments a few years ago when Woody along with the late Alvino Rey, W6UK, addressed UARC. We expect this to be an outstanding program. Mark January 6 on your calendar. Roy, W7ROY, will also be demonstrating his new software, "TravelPlus for Repeaters CD-ROM".

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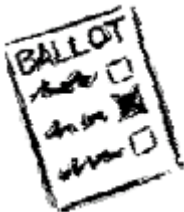
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Bob Wood, W7OAD
UARC Member

UARC Elects New Officers for 2005



UARC officers for 2005 were elected at the annual election meeting, which took place Thursday, December 2, 2004. For most of the offices, only a single candidate had been nominated, either by the nominating committee or from the floor at the November meeting. However, the situation for Program Chairpersons was more complicated. Incumbent Telvin Mills, KB6BYU was running for *Microvolt* Editor and was not available for the Program Chair position. The other incumbent, Keith Howard, W7OOK had been selected by the nominating committee, but withdrew prior to the December meeting. Scott Thomson, KD7VFP had been nominated from the floor at the November meeting, and Marty Olsen, KE7AEW and Linda Reeder, N7HVF were nominated at the December meeting. This made an election necessary to choose two Program Chairpersons from three candidates. Marty and Scott were the winners in a close contest.

The 2004 officers continuing in their positions are:
President: Glen Worthington, WA7X
Executive Vice-Pres.: Roy Eichelberger, W7ROY
Vice-President: Gordon Smith, K7HFV
Secretary: Dick Keddington, KD7TDZ
Assistant Editor: Bryan Mogensen, W7CBM

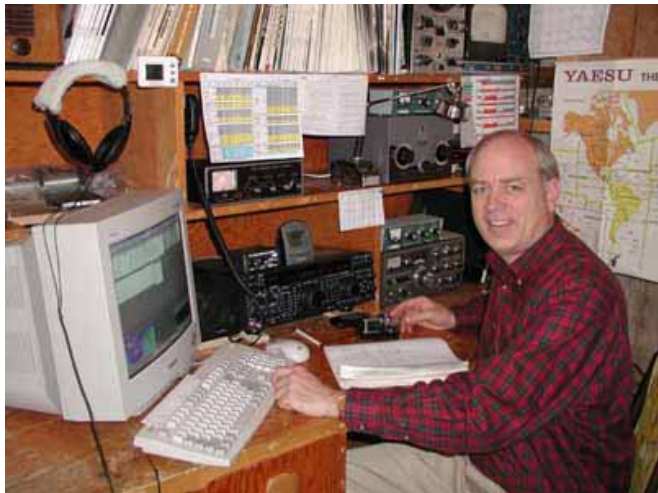
The newly elected officers are as follows:
Treasurer: Chuck Johnson, WA7JOS. Chuck has been the treasurer for UARC in the past.
Microvolt Editor: Telvin Mills, KB6BYU.
Program Chairpersons: Marty Olsen, KE7AEW
Program Chairpersons: Scott Thomson, KD7VFP

These officers plus the Immediate Past President, (from 2003) Brett Sutherland, N7KG, make up the Board of Directors.

Brett will continue as the trustee for the W7SP station license and chairman of the Repeater Committee.



Front row, left to right: Roy Eichelberger-W7ROY, Scott Thomson-KD7VFP, Marty Olsen-KE7AEW, Brett Sutherland-N7KG, Gordon Smith, K7HFV. Back row, left to right: Dick Keddington-KD7TDZ, Chuck Johnson-WA7JOS, Max Worthington-WA7X, Telvin Mills-KB6BYU, Bryan Mogensen-W7CBM.



Member of the Month
Linda Reeder, N7HVF

This month we are featuring Tom Rohlffing W7GT. Tom has been in the hobby since 1962. He became interested in amateur radio when he was in high school. In the summer of 1961, when he was 14, he made a little money working as a caddy for the Utah Open golf tournament. So with \$25 to spend, he picked up his brother's copy of the Allied Radio Catalog and did some browsing. He bought his first receiver, a Knight Kit "Ocean Hopper" receiver. That receiver had an unadvertised feature of being able to tune it a "kc" or two either way by moving your hand closer to or farther from the radio. Sometimes that was handy, but usually not.

Though his initial interest was just as a shortwave listener, he also listened to the ham bands, and soon became acquainted with a couple of neighbors who were ham radio operators. K7DVT (Bob Larson) was a high school friend, and Tom's ham radio mentor was W7CVE (Ed Gallacher). Tom spent many happy Saturday afternoons with Ed in his shack, learning about electronics, antennas, propagation, etc. Sadly, Ed became a silent key a few months ago.

Tom received his novice license, KN7SAW in January, 1962. In July of that year he received his general license, K7SAW. He had been eagerly awaiting that general ticket so that he could start

using the microphone on HF, but soon gravitated back to CW, which for him was a lot more fun. After incentive licensing was introduced in about 1967, Tom decided to upgrade to Extra, which he did in 1968.



You'll have a great time building and using this top-performing regenerative receiver. The "Ocean-Hopper" time-tested design and quality components assure you outstanding results. This set literally "hops oceans" to bring clear headphone listening adventures into your home from all over the world. Its wide tuning range, using coils below, includes all bands from 165 kc to 35 mc—the only low-cost set that receives the longwave international distress and radio-beacon frequencies.

You'll tune in virtually every type of radio transmission: ships, aircraft, Coast Guard weather reports and storm warnings, Amateurs, local broadcasts, radio beacons and foreign stations. You'll even hear calls on 500 kc, the international distress frequency for ships at sea. A large main tuning knob and electrical handspread help make tuning simple and precise.

Controls: Main Tuning; Handspread; Antenna Trimmer; Off-On/Regeneration; Tabco; 12AT6 detector and 50C5 audio output stage; 35W4 rectifier. Can accommodate a 3-4 ohm PM speaker for receiving strong stations. Includes standard broadcast plug-in coil, gray pyroxylin-covered wood cabinet with handy "trap door" for fast coil changing, wire, solder, and instructions. Lens extra plug-in coils, headphones and antenna, below. Requires antenna and headphones, below. 63x 10 1/2 x 5 1/2". For 105-125 v., AC or DC. 63g lbs.

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PLUG-IN COILS FOR ABOVE: Ship, wt., 3 oz.79
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 83 Y 742, Short Wave, 1.65-4.1 mc.79
 83 Y 743, Short Wave, 2.9-7.3 mc. EACH65
 83 Y 745, Short Wave, 7-17.5 mc. (ONLY)65
 83 Y 744, Short Wave, 15.5-35 mc.79
 83 Y 748, All 3 Cols, 15g lbs. ONLY2.95

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Tom sadly admits that he drifted out of the hobby for 25 years. Fortunately he never let his license expire, so he didn't have to take the test again. He got back in to the hobby again in late 1999, and obtained his current vanity call, W7GT. His wife, Laurel, helped him pick that call—"Grandpa Tom." Tom is a CW man, and hardly ever uses his microphone. You can see from the photo that there is a microphone in his shack, but Tom says it is a very low mileage mic. Before going inactive, Tom got his 35 words per minute code certificate from the ARRL. Today you can catch him on 3723 at six o'clock most weekday mornings, getting his "CW fix." Tom is a member of UARC, and has enjoyed helping the club at field day rack up those points for CW.

Tom and his wife Laurel have two children, one boy and one girl, and they are both grown now. They have four grandchildren, one of whom lives with them. Tom's son Bryan has his technician license, and even has his dad's old call sign, K7SAW. Tom's wife Laurel is a member of the Mormon Tabernacle Choir.

Tom works as an electrical engineer for a small startup company in Draper called WiLife. Even though his background is as a hardware engineer, he

has been doing software development and system engineering for the past few years.

When not pounding brass, Tom enjoys amateur astronomy. He takes his 8-inch Celestron out under dark skies when circumstances permit. Tom also enjoys mountain bike riding, and just recently he went to St. George to join some friends on a 40-mile bike ride.

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

73 N7HVF Linda Reeder

About the ARRL

Almost from the very beginning of our club, UARC has been affiliated with ARRL, the American Radio Relay League, a national membership association for Amateur Radio operators. The League promotes interest in Amateur Radio communications and experimentation, represents US radio amateurs in legislative matters and issues (including those related to BPL) , and promotes a high standard of conduct among Amateur Radio operators.

Individual ARRL membership benefits include QST, the monthly membership journal, plus a members-only Web Access Technical Information Service, Ham Radio Equipment Insurance, Outgoing QSL Service, ARRL Field Organization Operating Awards and more!

Because the League appreciates affiliated club recruitment efforts and values our opinions, they give the club a commission on all new and renewal ARRL memberships. So when you are ready to join ARRL or renew your ARRL membership, contact UARC's secretary, Dick Keddington, KD7TDZ, and process it through UARC. It won't cost you any more, but UARC will be helped by a commission from the ARRL.

Dick Keddington, KD7TDZ

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 Gary Openshaw, KC7AWU, 484-3407 or E-Mail him at gopenshaw@msn.com, and be involved. Please plan on joining the great Net Control Operators for next year.

Microwave Get Together

We had our first get together December 4th and had a good turnout of 10 – 12 people who are interested in microwave communications. Several hams shared their experiences in microwave communications.

Our next meeting is scheduled for Feb 5, 2005 at the Dees family restaurant on the corner of 700 East and 2100 South in Salt Lake City at 8:30 AM. You may order a complete breakfast or just a cup of coffee. 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.

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

73, Ron K7RJ

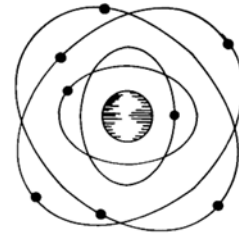
Brain Teaser

There are three switches in one room that control three lights in another room across the hall. You can only go in each room one time and you can only see the room your in. How do you find out which switch controls which light? Now those who know – be quiet. Answer in next month's newsletter.





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(8 Weeks)

7:00 PM – 9:30 PM

Contact People

Kay – 277-6649 Cindy – 366-9810
Carol – 647-7902 Diane – 255-6347

Or Email Carol At kc7llw@arrl.net

2005 UARC Exam Schedule

Date	Location	Contact Person	Phone
1/19/05 (Wed.)	Provo	Steve Whitehead, NV7V	465-3983
1/19/05 (Wed.)	St. George	Ronald C. Sappington, WI7Z	(435) 673-4552
1/25/05 ¹ (Tues.)	Salt Lake City	Eugene McWherter, N7OVT	541-1871
1/25/05 * ¹ (Tues.)	Roosevelt	R. Chandler Fisher, W7BYU	(435) 722-5440
2/05/05 ¹ (Sat.)	Salt Lake City	Gordon Smith, K7HFV	582-2438
2/17/05 (Thu.)	St. George	Ronald C. Sappington, WI7Z	(435) 673-4552
3/17/05 (Thu.)	St. George	Ronald C. Sappington, WI7Z	(435) 673-4552
* Only Technician elements (1 and 2) given at this session			
1 Pre-registration required. Contact the contact person prior to the examination date.			

2005 UARC Club Calendar

Date	Description	Date	Description
1/6/05	Club Meeting 7:30 Radio in the Early Days	6/2/05	Club Meeting 7:30 Field Day Presentation
2/3/05	Club Meeting 7:30	6/24/05 – 6/26/05	Field Day – Payson Lakes
2/26/05	Utah VHF Swap Meet Utah State Fair Park	7/07/05	No Club Meeting
3/3/05	Club Meeting 7:30	7/23/05	UARC Steak-Fry – The Spruces, further information in the April Microvolt
4/7/05	Club Meeting 7:30	July '05	Utah Hamfest – Rubys Inn – watch for updates later this year
5/12/05*	Club Meeting 7:30	8/4/05	No Club Meeting
* Due to U of U holding finals on 5/7/05, the meeting has been moved back one week.			

