Darryl Hazelgren, AC70, avid Dxer and Contester, told about "Logbook of the world" at May's UARC Meeting. He also explained about every major contest and also a had some pictures about some DXpeditions. Next UARC Meeting will be June 3rd and will be on "Field Day".

The   Periodicals Postage Paid

Microvolt

JUNE 2004

Please Send Dues to: **SEND TO**

UARC
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, 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 (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.
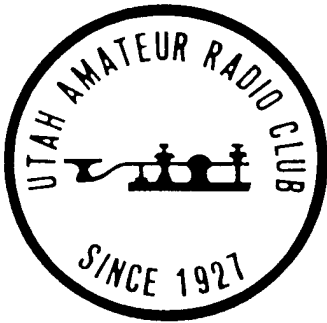
UARC 2004 Board

Contents

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 our Web-Page service.

The Microvolt

Our deepest sympathy to the family.
Thought you might want to know.

73 Glen, WA7X

QST from the Prez

Glen Worthington, WA7X

I don't know how many of you knew Dr. Herbert Ungricht, WB7H, and his four daughters (KC6TIR, KC6TIS, K7YSU and K7BLU) who are all amateur radio operators. On May 17 he was killed in an early morning house fire in Sandy. Apparently his wife was injured too trying to save Herb.

Herb would come to UARC meetings on occasion and I always saw him in Dayton (when I used to go regularly).

Herb used to live about four houses down and across the street from me so I knew him well as a neighbor and friend too.

Herb was active in scouting and received the Silver Beaver award for his service. He also enjoyed fishing, reading, traveling, and working with computers. He enjoyed working as an ophthalmologist and eye surgeon with his father, brothers, and brother-in-law. Herb was a Clinical Associate Professor of Ophthalmology at the University of Utah. He was a skilled physician and surgeon who earned the respect of both his patients and colleagues.

If you would like to donate to his memory, the family suggests that contributions be made to the "Ungricht Family Memorial Fund", at any Bank One branch.

Tech Net - Summer Hiatus

The UARC weekly Technical Discussion Net has ceased meeting until next September. The net started in January and has had a number of interesting sessions; however, the recent few sessions attracted only light check-ins and discussion. Guessing that the problem is simply more daylight and other kinds of evening activity vying for people's time, the UARC Board of Directors decided to cease holding the net for the summer months. Check the announcements next September or October for possible re-starting on Wednesday evenings.

Ham Radio Humor

An elderly ham driver was going down the interstate when suddenly his 2-meter rig crackled his call...Answering...he heard a fellow ham's urgent warning..... "Hey Elmer, just heard on the news that there's a car going down I-40 the wrong way, please be careful!!" Elmer replied, "Well I'll declare, it's not just one.......there's hundreds of them!!!!!!!!!"

You might be a ham if........

1. Your wife said "Lets go see Aunt Anna" and you thought she said antenna!

2. Your wife said "Could you cut the grass?" and you thought she said pound the brass!

3. Your wife said "We've been invited to breakfast" and you thought she said ham fest!

4. Your wife said "Something is wrong with the check book" and you thought she said log book!

5. Your wife said "is my seam straight?" And you thought she said, "Is my beam straight?"

Member of the Month

Linda Reeder, N7HVF

This month we are featuring Lonnie Oaks, K7LO. Lonnie has been in the hobby since 1961 and has his Extra class license. Lonnie says radio has always interested him. He even has several members of his family in the hobby. Lonnie's wife Linda has her Technician license. Her call sign is KD7GBW. Lonnie and his wife Linda have four boys and two of them have their Technician licenses: Keith Oaks, K7KTO, and Kraig Oaks, KC7LYC.

Lonnie works for a company called Fluor. They work with Kennecott Copper in maintenance of electronic instrumentation.

What does Lonnie like best about amateur radio? He likes HF, DX, and listening. It is interesting to learn what others' interests are in amateur radio and it is interesting to hear contacts from other countries.

Lonnie is a member of UARC, Border Line Amateur Radio Club in Vernal, and the VHF Society. Lonnie is the Field Day Chairman for 2004 for the UARC. This year at Field Day we will be a 4-A station. We will have a CW station, and GOTA, phone, and advanced phone stations. Lonnie also hopes to have a packet station up and running. If anyone is interested in helping Lonnie with Field Day please give him a call 255-1225.

Lonnie, we wish you the best of luck with Field Day this year.

73, Linda Reeder, N7HVF

Logbook of the World

Darryl Hazelgren, AC7O, presented our May UARC Meeting program. Darryl is an avid DXer and a veteran of several high-profile DXpeditions. He went through all the familiar contests in amateur radio. After telling about the contests he talked about ARRL's new "Logbook of the World" (LOTW). UARC would like to thank Darryl for his presentation.

Help Wanted: UARC 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 call Mike Youngs, KK7VZ, 298-7282 or E-Mail him at youngs@qwest.net, and be involved.

UARC Steak-Fry

The annual UARC Steak Fry will be held on July 10th, 2004 at the Spruces -- Area 7. Be sure to plan that day on your calendar and keep it open. Steak Fry tickets may be purchased at the next UARC Meeting. Prices are $3.00 for members, $4.00 for Children, $10.00 for non-members and guests.

Lonnie Oaks-Field Day Chair

Thursday, June 3, will be UARC's annual Field Day meeting. We will have slides from past Field Days and do some planning for the one coming up. For those to whom Field Day is new we should explain that it is the time when our club enters the annual Field Day contest, the biggest operating event in amateur radio. Amateurs from all over the country operate portable and mobile, trying to contact as many other stations as possible in 24 hours.

Lonnie Oaks, K7LO, is this year's Field Day Chairman. He needs your assistance, so be sure to volunteer. This year the Field Day contest falls on the weekend of June 26 and 27. UARC will be entering from its traditional site near Payson Lakes. We will set up several HF stations there and be ready to start operating by noon on Saturday the 26th. Many amateurs use the weekend as a chance to combine radio with a family campout.

For more information, check
http://www.xmission.com/~uarc/anounce1.html#fdc hair or come to the meeting!

That's Thursday, June 3, at 7:30 P.M. in room 101 of EMCB on the University of Utah campus.

Recent Silent Keys

We note with regret the passing of several area hams during the month of May.

W7OQD: Ed Scheonfeld, W7OQD, died on May 5 at age 84. Ed had been a frequent user of UARC's '62 repeater, particularly in the very early morning hours. Those who remember Harro Beyer, W7KIP, may also remember that Ed helped him in the construction of his many linear amplifiers.

K7TED: William E. Carpenter, K7TED, died May 16 at age 77.

WB7H: Dr. Herbert Ungricht, WB7H, was killed in an early-morning garage fire on May 17 at his home in Sandy. He was a one-time neighbor of UARC President Glen Worthington, WA7X. He practiced as an ophthalmologist and was 51 years of age. He occasionally attended UARC meetings and was a frequent attendee at the annual Dayton Hamvention. He is survived by four daughters, all of whom are licensed: KC6TIR, KC6TIS, K7YSU, K7BLU. Cause of the fire is still under investigation.

Dr. Herbert Ungricht, WB7H

We send our deepest condolences to the families. We will miss them.

Two-Meter Code Practice

Mike Richmond, KF7IQ, is sending code practice transmissions weekday evenings on two meters. Mike starts with the slowest speed at 7 P.M. and then works up. The schedule is Monday through Thursday on 146.58 MHz, FM. If you're working on getting your code speed up but don't have an HF receiver to hear W1AW (or conditions are less than perfect) tune in to Mike's sessions.

Pony Express Special Event Station

N7OVT and K7PDW are organizing a special event station to accompany a commemorative re-riding of the old Pony Express Route through Utah. The ride and the station operation will take place on the weekend of June 5 and 6. The station will be using the Davis County club's call, K7DAV. Frequencies to check are 3928, 7228, and 14,328 kHz (with a plus or minus allowance for QRM and other activity).

Communication Products

Communication Products Amateur Radio Sales is our local Amateur Radio equipment store. Despite any rumors of being closed, the store is open for business. Bob Wood, W7OAD, will help you with your equipment needs.

Top Signs You Need An Elmer

By Jeffrey S. King, N1DJS

Your friend tells you he has a new two-meter radio and you figure one of the meters must be for SWR and the other for power out.

You hear a conversation on the low bands about CW and you think they're referring to the cold war.

You hear someone sign as N8XXX mobile 4 and you think it's because he has three other radios.

You hear that someone won a 40-meter radio at a hamfest and you wonder how they're going to get something that large in the house.

You build a Morse Code key out of Plexiglas and can't figure out why it won't key your radio.

You think the difference between short wave and long wave is the speed at which you move your wrist back and forth.

You're thinking about joining your other ham friends in the local ATV group because you own a four-wheel drive vehicle that will go just about anywhere.

You won't use a repeater because you've heard that using a repeater could be dangerous. You've heard an alligator could get you.

You think a collinear antenna can only be used with two amplifiers.

You think FM is the modulation type that came after EM, DM, DM, BM, and AM.

You wouldn't mind getting into packet radio but no matter how much you practice you can't get the hang of sending those beeps and braps with your keyer.

You wonder what sound a short wave makes and why anyone would want to listen to one.

You think the repeater owner would be a lot happier if instead of talking about his cavities he just went to the dentist and got them filled.

You think a CW ID is the number the army gave you on your dog tags during the cold war.

ARRL

The American Radio Relay League (ARRL) is the national organization of amateur radio operators. It provides numerous services that many amateurs take for granted. It sponsors some of the major awards such as Worked All States (WAS) and DX Century Club (DXCC) and some of the major contests such as Field Day and Sweepstakes. It provides technical assistance and advice on interpreting the rules. And it publishes the most widely read amateur radio magazine in the world: *QST*. It also operates the largest Volunteer Examiner Coordinator (VEC).

Most important of all, it helps us keep our frequencies. ARRL legal staff watch FCC actions and proposals and spot items that might pose a threat to amateur radio. They file petitions to help keep our portion of the spectrum from shrinking and occasionally lobby Congressmen and appear before Congressional committees. It is likely that without ARRL there would not be an amateur radio hobby.

We believe every ham should be an ARRL member. And, as an ARRL-affiliated club, we can help people reach that status. Our secretary, Dick Keddington, would be happy to sign up prospective ARRL members at any club meeting. By joining the League, you not only help amateur radio, but you also help the club. According to a policy recently unveiled by the ARRL Headquarters staff, when new members sign up through an affiliated club fifteen dollars of the thirty-nine-dollar ARRL membership dues are returned to the club.

A slight downside to this new policy is that the club no longer receives any commission for ARRL renewals. If it is greatly more convenient for you to

renew through the club, Dick will still accept renewal applications for forwarding to the League. However, if it is just as easy to use one of the other renewal options the League provides, feel free to use it. Renewing through the club is no longer a favor to the club.

Contact the club Secretary at any meeting for further detail.

IRLP

Remember the IRLP project? Well, it's coming close to fruition thanks to the efforts of Clint, KA7OEI, who has built several boxes to accommodate some of our unusual requirements involving remote radios, autopatch compatibility, and the need to avoid sending the repeater's ID's, squelch tails, and PL tones down the Internet.

"IRLP" stands for "Internet Repeater Linking Project," a system that makes it possible for repeaters all over the world to set up temporary links to one another over Internet. More details about IRLP can be found on the IRLP web site at http://www.irlp.net. IRLP is one of several linking systems that have come into use over the last several years using Voice Over IP (VOIP) technology. Others include E-QSO, EchoLink, ILink, and the Yaesu-sponsored WIRES II.

The project to make UARC's 146.76 repeater an IRLP node started under the direction of Mark Richardson, W7HPW, who gathered several volunteers and with them got the required Linux computer going and connected up to the IRLP system. We became registered as "Node 3352." Now, with the completion of the interface units, the system is very close to full-time operation.

If you listen to '76 and hear "IRLP" sent in MCW every few minutes, then IRLP is running. If you'd like to try it out, ask the control operator to connect up to a repeater or reflector. (For the complete list see http://status.irlp.net/statuspage.html).

When a connection is made, you can tell the difference between transmissions coming from the distant repeater (or reflector) and those coming from local stations because the transmissions originating with the distant node will have a distinctive double beep at the end. For more information see http://www.ussc.com/~uarc/rptr/irlp.html.

The plan is that, eventually, members of UARC will be able to dial up any node or reflector to which

they would like to connect. Watch for more information on the web site and in *The Microvolt*. At this time the system is operating sporadically as software is fine-tuned and various hardware and software bugs are ironed out. But, it works! Several good-sounding contacts have been made with individual repeaters and with the Western Reflector, a junction point that allows multiple repeaters to be interconnected simultaneously.

Don't Forget Field Day

Please do not forget Field Day. The dates of the contest always fall on the fourth Saturday of June and the following Sunday. That puts the 2004 event on June 26 and 27th. Lonnie Oaks, K7LO, could use lots of help. Departments could include antennas, rigs, computers, filters, safety, and entertainment. If you would like to be a part of the planning, contact Lonnie at 255-1225.

Field Day is an annual contest sponsored by the American Radio Relay League (ARRL). It is a contest in which portable and mobile stations compete trying to make the most possible contacts in a 24-hour period. The object is to give hams experience in setting up stations in the field and exchanging information accurately under bad operating conditions. For more information, see the Field Day Rules on the ARRL Web Site at http://www.arrl.org.

UARC has entered as a club portable station for many years, often combining the operating event with a family campout. This year's will likely be held in the traditional place, in Payson Canyon south of Payson Lakes. Be sure to reserve the dates. Initial plans call for four stations. If you have suggestions or would like to offer assistance, do get in touch with Lonnie.

EXAM SCHEDULE

06/02/04	(Wed.)	Ogden	Mary Hazard, W7UE	430-0306	
06/05/04	(Sat.)	Salt Lake C.	Gordon Smith, K7HFV	582-2438	534-8116
06/12/04	(Sat.)	Tremonton	Robert A. Anderson, AA7TR	(435) 257-2154	
06/12/04	(Sat.)	Logan	Heidi Black, AC7ZC	(435) 753-7487	
06/16/04	(Wed.)	Provo	Steve Whitehead, NV7V	465-3983	
06/16/04	(Wed.)	St. George	Ronald C. Sappington, WI7Z	(435) 673-4552	
06/26/04	(Wed.)	Santa Clara	Ronald C. Sappington, WI7Z	(435) 673-4552	
06/29/04*	(Tues.)	Salt Lake C.	Eugene McWherter, N7OVT	484-6355	
07/07/04	(Wed.)	Farmington	Fred Villanueva, N7FV	295-6560	
07/21/04	(Wed.)	Provo	Steve Whitehead, NV7V	465-3983	
07/21/04	(Wed.)	St. George	Ronald C. Sappington, WI7Z	(435) 673-4552	
07/27/04*	(Tues.)	Salt Lake C.	Eugene McWherter, N7OVT	484-6355	
07/29/04	(Fri.)	Roosevelt	R Chandler Fisher, W7BYU	(435) 722-5440	
08/07/04	(Sat.)	Salt Lake C.	Gordon Smith, K7HFV	582-2438	534-8116
08/18/04	(Wed.)	Provo	Steve Whitehead, NV7V	465-3983	
08/18/04	(Wed.)	St. George	Ronald C. Sappington, WI7Z	(435) 673-4552	
08/31/04*	(Tues.)	Salt Lake C.	Eugene McWherter, N7OVT	484-6355	
09/11/04	(Sat.)	Logan	Heidi Black, AC7ZC	(435) 753-7487	
09/15/04	(Wed.)	Provo	Steve Whitehead, NV7V	465-3983	
09/15/04	(Wed.)	St. George	Ronald C. Sappington, WI7Z	(435) 673-4552	
09/28/04*	(Tues.)	Salt Lake C.	Eugene McWherter, N7OVT	484-6355	
09/30/04	(Fri.)	Roosevelt	R Chandler Fisher, W7BYU	(435) 722-5440	

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