Lonnie Oaks, K7LO, gets ready for Field Day, which was the topic of June's UARC Meeting. No meeting in July, 2004, but we will have the Steak Fry on July 10th. The Hamfest will also be a Hamfest August 14th in Ogden. Next UARC Meeting will be September 2nd.

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

President: Glen Worthington, WA7X	272-8825
Executive VP: Roy Eichelberger, W7ROY	571-2447
Vice Pres: Gordon Smith, K7HFV	582-2438
Secretary: Dick Keddington, KD7TDZ	274-9638
Treasurer: Mark Hodgen, AC7XR	
Microvolt Editor: Gary Openshaw, KC7AWU	484-3407
Asst. *Microvolt* Editor: Bryan Mogensen, KD7LEA	281-1752
Program Chair: Keith Howard, KA7RLB	463-0106
Program Chair: Telvin Mills, KB6BYU	968-5089
Imm. Past Pres: Brett Sutherland, N7KG	298-5399

Committee Chairpersons and Members

"Book Lady": Fred Desmet, KI7KM	485-9245
Historian: Ron Speirs, K7RLS	968-4614
Field Day Chair: Lonnie Oaks, K7LO	255-1225
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
Repeater Monitor:	

Contents
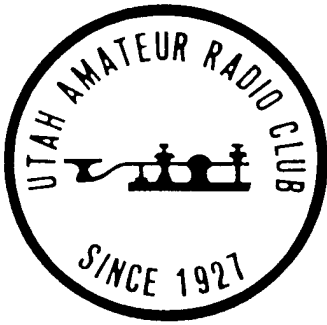
For late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to:
    www.xmission.com/~uarc/announce.html

We are grateful to the management of XMission, our Internet Service Provider (ISP), for the donation of our Web-Page service.

The Microvolt

QST from the Prez

Glen Worthington, WA7X

What a wonderful Field Day! Thanks Lonnie Oaks, K7LO and all the helpers who made another wonderful outing at Payson Lakes possible and enjoyable. This year we had a generator that worked as good as I can remember thanks to Ron Speirs, K7RLS, and Clint Turner, KA7OEI, who actually worked on the generator weeks before Field Day. New computers were donated by from JC Penney's and they made the logging even more reliable than before. Clint Turner, KA7OEI, and John Lloyd, K7JL, went through and refurbished the club transceivers, which looked and worked better than new. Thank Mike, KA6SAR, for taking a break from his Atlanta Braves scouting expedition to hammer out some fine CW for many new points. Also NJ7A, Dave Felgar, for keeping us on 50 MHz and above. And while we missed Jerry Bennion's, WR7N , Dutch oven cooking, he has competition from Gary Openshaw's, KA7AWU, barbeque chicken. Maybe it is the altitude, attitude, or just good company, but fine food is always part of the UARC FD. Brian, K7BLK, brought us up a fine 75-foot tower and made it possible to have an optimal HF station on the air. Then all the new (< 1 year) hams and others who contributed to the fine experience this year. I'm sure there will be other articles that cover this in more detail and offer URL's to web pages that show many of the pictures (we missed the show this year due to rain) that were taken there. I know I can't remember all the fine folks that helped but we all appreciate your services and company this year.

In Just a few weeks we will have Steak-Fry, another annual UARC event, to see your old and new friends in the amateur community. See you there!

A few things have been done so far this year, IRLP on 146.76 (yes I know the repeater is intermittent), generator fixed, 6 meetings under our belt, rigs repaired and all the new members coming into our ranks.

I am still working on the finer details for the September meeting so be sure and make it then.

Have a great and safe summer!

73

Glen WA7X

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.

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

Member of the Month

Linda Reeder, N7HVF

This month we are featuring Michael Robinson, KE7AQL a new ham and a new UARC member. He received his technician license a couple of weeks ago. It is very interesting how Michael got into the hobby. His mother works at the Indian walk-in center and she received a telephone call from a Lorraine Stuckman, WB7VIV, who was getting out of the hobby. Lorraine wanted to donate her equipment to an Indian family. It just so happens that Michael's family belongs to the Tewa-Pubblo tribe so she gave her equipment to them. She gave them a Yaesu FT-757, which is a low band rig, and a Kenwood TM-211A, which is a mobile two-meter only rig. Michael was very excited about this. So, Michael and his father, Richard Robinson, KE7AQK, studied together and obtained their technician licenses. Michael and his father are the only two hams in the family. Michael has two younger brothers. One is five years old and the other one is four years old.

Michael attends Carden Memorial School. He will be in the 7th grade this next school year. This school year Michael won an award at the science fair. He built a crystal radio that has a drive directly into the audio amplifier. In fact, Michael said his favorite thing about amateur radio is homebrew. He loves to build things and he is really looking forward to homebrew night. Michael also enjoys Echolink. It is so much fun to be able to talk on repeaters all over the world. He says he is looking forward to when UARC gets their IRLP up and running.

Michael told me he was in a car accident and broke his back. He got out of his neck brace two weeks before he passed his ham test.

Now he is working very hard on upgrading to general, which he hopes to do before they change the pool questions.

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

73 N7HVF Linda Reeder

Summer Activites

There will be no first-Thursday meetings until September 2nd , but there are a number of other important activities going on during the summer months.

July 10: Steak-Fry. The annual steak-fry combines an afternoon at a mountain picnic area with a swap-meet, a chance for "eyeball QSOs," and a steak dinner. For members the cost is only $3.00, but you need to buy your tickets in advance.

August 10: Utah Hamfest. Spearheaded by the Ogden Amateur Radio Club, there will be a one-day hamfest at the Browning Armory, 625 E. 5300 South, in South Ogden, Saturday, August 14. Grand prize will be a Kenwood TM-D700A! For more information, check:
http://www.ogdenarc.org/hamfest.htm There will be no Bryce Canyon hamfest this year.

Remember the next UARC meeting will be September 2nd, at 7:30 P.M. in room 101 of EMCB on the University of Utah campus.

UARC Steak-Fry

 UARC's annual Steak-Fry and Swap-Meet will be held on the afternoon of Saturday, July 10. We will be in Area 7 of "The Spruces" campground in Big Cottonwood Canyon. The schedule is rather relaxed. Eyeball QSOs and the swap-meet will commence about 1-2 P.M. Steak dinner with all the trimmings will get underway about 5.

 The Spruces is about 9-10 miles up Big Cottonwood Canyon on the right. (Big Cottonwood is the one that goes to Brighton.) Tell the people at the entrance station that you are with UARC in Area 7, and they should let you in and point you in the right direction. Parking is rather limited, so car-pool as much as possible. There is a large parking lot at the mouth of the canyon.

 To come, you must get your reservation to the Secretary in advance. Prices are:

Members:	$3.00
Children:	$4.00
Non-members:	$10.00

 Make your check out to "Utah Amateur Radio Club" and send it to:

> Dick Keddington, KD7TDZ
> 1732 Woodside Drive #32
> Salt Lake City, Utah 84124-1624

They had a cracker-eating contest, which was very entertaining. Thanks for all those who participated.

Gordon Smith, K7HFV

June Meeting-Field Day

Gordon Smith gets ready for UARC June meeting on Field Day. Lonnie Oaks, K7LO, Field Day Chairman took charge and Gordon Smith, K7HFV, showed his slides on previous Field Days.

Code Practice

I'm conducting Morse Code Practice sessions on 2-meter simplex.

The current schedule is:

Monday through Thursday evenings.

7:00 p.m. Local time

146.580 simplex

Coverage includes the Salt Lake valley; I've had one report from an Ogden station of 57 and a little scratchy, and a report from Syracuse of 58. I would like to know who else is hearing the signal. Signal reports can be sent to

KF7IQ@arrl.net.

73

Mike Richmond

KF7IQ

Murray, Utah

SOME CLUBS' INFO

BARC or The Bridgerland Amateur Radio Club
Monthly club meetings are held each second Thursday of the month at 7:30pm at the Hyde Park City offices building, 113 E. Center St., Hyde Park (except June, July and August). They hold a net at 9:00 PM on the 146.72 repeater on Mt. Logan (hard linked to 147.26 on Promontory) every Tuesday. Their contact person is Tyler Griffiths, N7UWX at (435)752-7269.. Postal mail address for the club is: BARC, P.O. Box 111, Providence, UT 84332. WebPage URL is http://www.barconline.org/.
The Davis County ARES conducts a Net each Thursday night at 7:00 P.M. on 147.42 simplex.
DCARC (The Davis County Amateur Radio Club) meets the 2nd Saturday of each month at 10:00 A.M. The Davis Club operates the 147.04 and the 449.925 (normally cross-banded to 147.42 simplex) repeaters. For further information please

contact President: Gary Johnson, N7DND, gjohnson@das.state.ut.us, (801)292-1212. The Club Webpage URL is http://www.dcarc.net
OARC or **Ogden Amateur Radio Club** meets the 3rd Saturday of each month at 9:00 AM. The meetings are held at the Weber County Sheriff's office, 721 W. 12th Street, in Ogden. Members and nonmembers are invited. Dues are $15.00 per year and can be sent to P.O. Box 3353, Ogden, UT 84409. OARC supports the 448.60, 146.82, 146.90 and the linked 146.92 repeaters, all with a PL of 123.0. The contact person is Greg Moore, KD7BPQ who can be reached at (801) 782-3064. Web site is at http://www.ogdenarc.org/
RMRA: Rocky Mountain Radio Association
RMRA: Rocky Mountain Radio Association is open to all Utah hams and they support the 448.700 (plus 6 mtr remote) 447.575, 448.800, 447.900 and the Emergency Radio System 448.350 Repeater, with 24 hr emergency links to 223.440, 145.710 and 24 hour NOAA Weather/Disaster alert system. RMRA's webpage for more information http://www.rmra.org .
Salt Lake County ARES, Inc. (Amateur Radio Emergency Service) is dedicated to training and organization of operators to provide communications in time of emergency. It conducts a net each Wednesday night at 8:00 PM on the 146.88 repeater (PL tone of 88.5). (Note: During the net the 146.88 repeater and the 449.90 repeater are linked together. The 449.90 repeater requires a PL tone of 100.0 Hz.) All amateurs are welcome to participate. An in-person meeting is held on the third Wednesday of each month, usually at the Salt Lake County EOC, 3380 South 900 West at 7 P.M. For more information please contact Russ Scholz, K7MRS, at (801) 278-7861 or email at K7MRS@arrl.net. Call the ARES Infoline, (801) 333-7400, or monitor the Wednesday night net for the upcoming in-person location and other info. The Salt Lake County ARES webpage can be viewed at: http://www.slcoares.org.
UARC or **Utah Amateur Radio Club** meets the first Thursday of each month except the months of July and August. The meeting is held on the University of Utah campus in the Engineering and Mines Classroom Building (EMCB) room 101. Time is 7:30 PM. There is a newcomers' meeting held prior to the main meeting, 7:00 PM. UARC conducts an information net every Sunday nite originating on the 146.62 Farnsworth Peak

repeater. UARC maintains the following repeaters: 146.62 (-), 146.76(-), and 449.10. The UARC web site can be found at http://www.xmission.com/~uarc/. E-mail can be sent to uarc@xmission.com. The Club (UARC) has a Ham Hotline, 583-3002. Information regarding Amateur Radio can be obtained, including club information, testing, meeting information, and membership information.
UBET (Utah Box Elder Thiokol) holds a net every Wednesday at 8:00 PM on the 145.43, 448.300 p.l. 123.0, 145.29 repeaters. Contact Wayne Jensen AB7TS for details about net. Although the club is sponsored by Cordant Technologies (formerly Thiokol) many of it's members are not employed there. The majority of the club members live in Box Elder County but many also live in Cache and Weber Counties. Club meetings are held the first Tuesday of every month at 7:00 PM at a Building on the former campus of the Old Intermountain Indian School 1/4 mile East on the road between Auto Zone and Burger King in Brigham City, the building is on the right side of the street as the road starts to curve. Dues are $15 per year. Club President is Bob Anderson AA7TR, Email anderra@thiokol.com . Their webpage URL is: http://www.27meg.com/~k7ub/ .
The **University of Utah Radio Club** is open to University staff, alumni and students. It is currently inactive. Those interested in bringing it to life should contact the club advisor, Marvin Match, KA7TPH, MEB 1254, at 581-8765.
The Utah APRS User's group host a website at www.qsl.net/utahaprs.
Utah Army MARS (Military Affiliate Radio System) VHF nets are held Monday, Wednesday and Thursday at 2100 local. Frequency is 143.99 recv 148.01 xmit. Membership information can be requested from Steve Carver, N7VVW, aaa8ut@mars.gen.ut.us, (801) 814-0485 State MARS director for the Army. The Utah Army MARS webpage is www.mars.gen.ut.us .
The **Utah Contest Club.** The President is Jim Lawrence, W7CT mailto w7ct@qrq.com. The club callsign is NC7J and the trustee is Matt George, NG7M mailto:ng7m@qrq.com. If you are interested in learning more about the UCC (and or contesting in general), contact W7CT Jim Lawrence at (801)546-4399 or send email to mailto:w7ct@qrq.com. The Utah Contest Club also sponsors the "NC7J Utah DX Packet Cluster".

Information about the "NC7J Utah DX Packet Cluster" can be found at: http://nc7j.qrq.com
Utah County ARES holds their general meeting the first Tuesday of every month at 7:00 PM. They also conduct a net each Tuesday at 9:00 PM on the 147.34 repeater. The contact person is Derick Wolsleger KC7KRS phone 465-1134 email : kc7krs@ucares.org Their Webpage URL is: http://www.ucares.org/
The **Utah VHF Society** is a group dedicated to maintaining and operating a system of repeaters in the state of Utah. Dues are $15.00 per year and can be sent to PO Box 482 Bountiful, UT 84011-0482. The Utah VHF Society holds a swap meet annually, usually on a Saturday in February. The Society holds a traffic and swap net for its members each Tuesday night at 8:00 PM on the 147.18 and 147.12 repeaters. They require a CTCSS tone of 100 Hz. Contact is Mel Parkes, AC7CP at 801-547-1753. The UVHFS maintains a webpage at http://www.ussc.com/~uvhfs/.
The **West Desert Amateur Radio Club (WDARC)** holds an in-person meeting on the first Tuesday of each month (except Jul. & Aug.) at 7:00 P.M. at the Tooele County Courthouse, 47 S. Main St. Tooele, UT 84074. Meeting room is in the Tooele County Emergency Management Conference Room located in the basement of the courthouse. Access is via the Public Safety entrance at the Sheriff's Department off Vine St. next to Clair's Auto Repair, 64 E. Vine St. A net is conducted on Tuesdays at 7:00 P.M. on the 147.30 (Tooele City) repeater which requries a PL tone of 100 Hz and is part of the Tooele County linked repeater system. The net is replaced by the in-person meeting on the first Tuesday of each month. WDARC supports three other linked repeaters: the 146.980 Delle, I-80 / 145.390 Vernon Ut Rt.36, and Wendover, Ut. 147.200 MHz. Contact person is Brian Fivas kd7qmq@arrl.net (Public Relations) or Corby Eccles (President) (435) 882-3260 and kd7scg@arrl.net, WDARC P.O. Box 363 Tooele, Ut. 84074-0363. The club webpage URL: http://www.geocities.com/westdesertarc.

IREAN or **Intermountain Repeater Emergency Amateur Network** based in Salt Lake City, Utah is a collection of 222 MHz repeaters spread across the state. It is an open 222 Mhz linked repeater system for amateurs of all license classes. The IREAN

system also provides open autopatches, frequency-agile remote bases, voice messaging and telemetry of weather and site conditions. Contact person is Bruce Larner WB6CDN, Riverton,   801-278-3516. IREAN maintains the following repeaters Riverside 223.9, Little Mountain 224.5, Kaysville Peak 224.0, and Ensign Peak 224.82.and a link to the SINBAD system. Monday and Tuesday at 19:55

scheduled announcements are made immediately prior to the Mt Harrison and Utah VHF Society Nets respectively. The organizations webpage URL is: http://www.asd-webtec.com/irean/ .

Exam Schedule

05/19/04	(Wed.)	Provo	Steve Whitehead, NV7V	465-3983	
05/19/04	(Wed.)	St. George	Ronald C. Sappington, WI7Z	(435) 673-4552	
05/25/04*	(Tues.)	Salt Lake C	Eugene McWherter, N7OVT	484-6355	
05/27/04	(Thu.)	Roosevelt	R Chandler Fisher, W7BYU	(435) 722-5440	
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.)	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	
06/29/04*	(Tues.)	Salt Lake C	Eugene McWherter, N7OVT	484-6355	

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