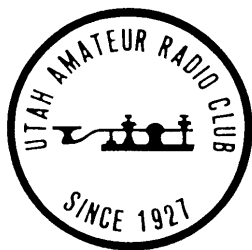




Left to right, Clint, KA7OEI, showed the club how to operate the clubs IRLP node on the 146.76 repeater and Brett, N7KG, discussed the do's and don't of how to be a better communicator on our local repeaters.



Volume 49, Issue 6, June 2006

Periodicals Postage

## The Microvolt

**DATED MATERIAL – PLEASE DO NOT DELAY**

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

**SEND TO**

*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 101.

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

## UARC 2006 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	538-3506
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

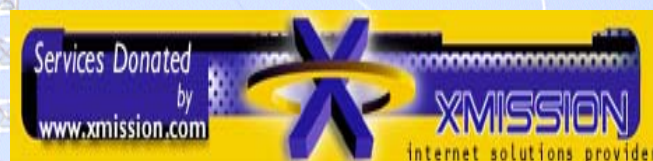
## IRLP Information

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

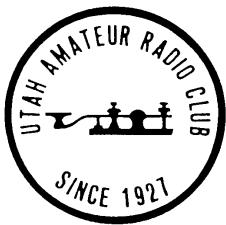
For late breaking news listen to the UARC Information Net Sundays at 21:00 on 146.62 or set your browser to: [www.xmission.com/~uarc/announce.html](http://www.xmission.com/~uarc/announce.html)

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







## QST From the Prez

Are you ready for an emergency? Come test your skills at Field Day! Here you'll have an opportunity to setup for an emergency, operate on emergency power and participate in a contest. Learn to gather information and report it.

Don't think **HF** is your cup of tea? Try it, you might find that you really do enjoy it. There's a special operating position for new hams. It is the **GOTA** – station. This is a position that can be operated by anyone. There's no pressure to be the best on the air.

If you are able to help with transportation of equipment or personnel to the Field Day site, please get in touch with Bryan Mogensén @ 281-1752. Come and have a great weekend of Amateur Radio fun! You'll be with great people in the great out of doors. Just go to Payson and follow the Field Day signs- we'll be up Payson Canyon.

Just a reminder of another great event- The Steak Fry. It's on Saturday July 8th. at our usual location up Big Cottonwood Canyon (at the Spruces). You can purchase tickets from Dick Keddington. The cost of a ticket is: \$4.00 (members), \$12.00 (non-members), \$5.00 (non-member children). This is sure to please all who come. The food can't be beat!

Now, is this a great hobby or what? See ya there!

73 de W7ROY



## Inside this issue:

Prologue.....	2
UARC 2006 Board.....	2
QST from the Prez.....	3
Member of the Month.....	4
Steak Fry.....	5
Steak Fry.....	5
For Sale.....	5
Field Day 2006.....	6
BPL Coming To A Home Near You.....	7
June Meeting: Field Day 2006.....	8
Exam Schedule.....	8

## Special points of interest:

- ♦ *UARC Meeting June 1st*
- ♦ *Field Day, June 24th and 25th*
- ♦ *Steak Fry, July 8th*
- ♦ *WIMU 2006, Jackson Hole, August 4, 5, 6, 2006*
- ♦ *IRLP on 146.76 Operational*
- ♦ *BPL Coming To A Home Near You—See Page 7*

## Member of the Month

This month we are featuring J J Wallace KE7GHK. J J is a brand new ham. He just received his Technician license in January of this year. J J became interested in amateur radio because he is a member of the Sandy City Public Safety Committee.

J J wants to be able to assist in upcoming disasters. He wants to work with the ECO out in the field. J J contacted Russ Scholz, K7MRS, and Russ set up a class in their office. For the last five years J J has worked for a communication company installing 2-way radios. J J worked for this communications company while he was studying to become a fire fighter. Now J J works for the United States Forest Services. He gets assignments to fight wild land fires all over the United States, so he is gone a lot.

He is also a volunteer for search and rescue and has been for the last 10 years, these are all contributing factors that has sparked his interest in amateur radio.

His wife Aubrey passed her test the same time he did. She has her Technician license and her call sign is KE7GHJ. Aubrey is so excited about this hobby that she is working on upgrading. J J and Aubrey have three children: one girl and two boys. Jessie, their 9-year old daughter is studying to get her license.

J J and Aubrey love the outdoors. They love to go camping and hiking. They hope to attend Field Day at Payson Lakes this year if J J isn't out fighting fires. J J is a professional scuba diver and enjoys rock climbing. J J also enjoys ATV 4-



J J with his repeater that he is assembling.

wheeling.

J J's favorite thing about amateur radio is talking long distance on the IRLP. He has talked to Montana and Yellowstone from his house. When J J and Aubrey were on their 10th wedding anniversary in Las Vegas they talked to Australia on the reflector. J J says he would like to work more stations on the reflector.

J J is a new member of UARC. He joined at the April meeting. J J is also a member of ARES and the Utah VHF Society.

J J, welcome to the wonderful world of amateur radio. We wish you and your family the best in upgrading.

73, Linda Reeder, N7HVF



Portable dual 2-m antenna for field work (this can be deployed in about 2 minutes!)

## Steak Fry



UARC's annual steak-fry will be held on the afternoon of Saturday, July 8th. Tickets will be available at the June meeting. The deadline for purchasing your tickets will be Thursday, June 29th.

The steak-fry is one of the club's most popular activities each year. A steak dinner in the mountains combined with a mini swap meet and a chance to get acquainted or reacquainted with the people we talk to on the air.

The event will be held again in the campground called "The Spruces" in Big Cottonwood Canyon. (That's the canyon that goes to Brighton and Solitude. See map below.)

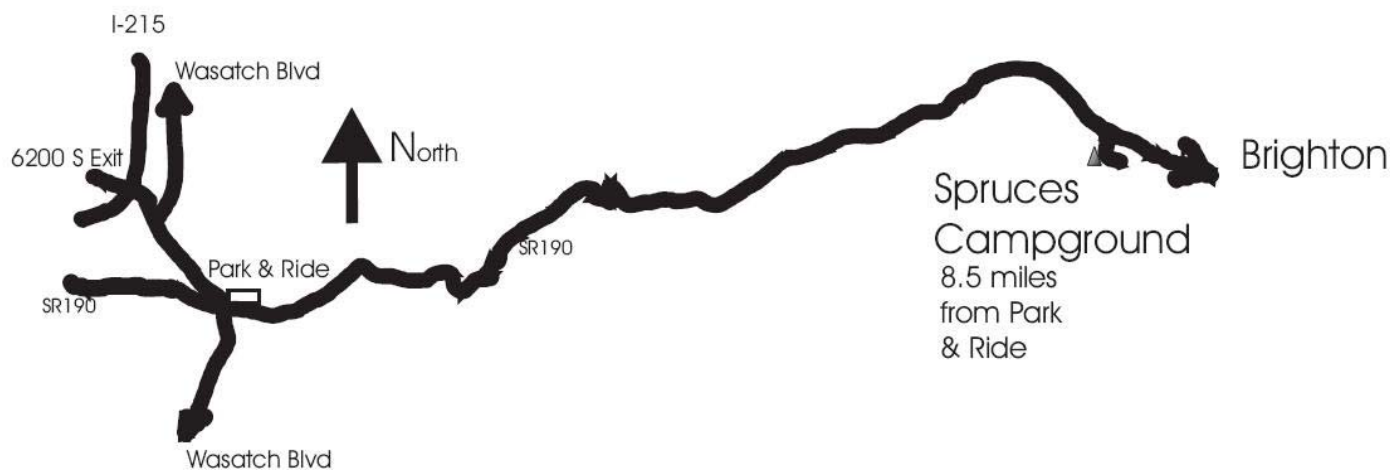
It may seem awfully early to be thinking about a mid-summer event, but there will only be two opportunities to buy tickets in person at a meeting.

The prices for this years steak fry are as follow:

Adults	\$4.00
Non-member adults	\$12.00
Children (12 and under)	\$5.00

**DEADLINE FOR  
PURCHASING YOUR  
STEAK FRY TICKET IS  
JUNE 29TH.**

Contact the club secretary Dick Keddington, KD7TDZ, to get your reservations.



**For Sale:** Tri-band beam and tower. Tower is Glen Martin 40-foot aluminum walk-up with Hazer tram system and hinged base. The tower is in four 10-foot sections and is already broken apart to be moved. Beam is Mosley TA3JR 3-element for 20, 15, and 10 meters. Asking \$1,200 for the entire package. Contact Robert Herkimer, W8BFV, at (801) 798-9213 (Spanish Fork).



# Field Day 2006

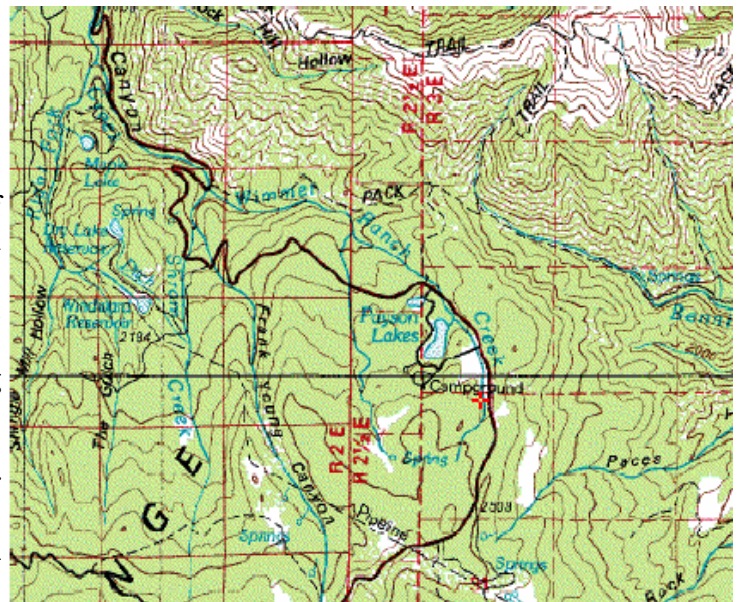


When: June 24th and 25th, 2006

Where: Just past Payson Lakes Campground, Mount Nebo Scenic Loop, Payson Utah (See map at right.)

All amateurs are welcome to attend the annual UARC Field Day. We will be setting up HF, VHF, and satellite stations to work hams from all over the U.S. Setup begins at noon on Friday, June 24th. The operating event starts at Noon on Saturday, June 24th and goes until Noon on June 25th. A BBQ is scheduled some time late Saturday afternoon. The club will provide the meat, but everyone must bring a pot luck dish to share. For more information, contact Bryan Mogensen, W7CBM, at [b.mogensen@comcast.net](mailto:b.mogensen@comcast.net) or call the UARC's Ham Hotline at 583-3002.

So, how to get there? Go south on I-15 (approximately 65 miles from Salt Lake City), get off at the Payson exit (#254) and go south into town (see map of Payson.) Watch for the Mt. Nebo Loop signs (brown scenic loop sign.) Turn left at the stop light in the center of town (you are now headed east) then turn right (head south again) by the old school with the old playground equipment (Peeteetneet Blvd.) BTW, closely obey the speed limit on Peeteetneet Blvd! Keep going up the winding canyon (you'll probably lose the 146.76 and 146.62 repeaters somewhere in here.) Just 1/2 mile past the turnoff for the improved Forest Service Payson Lakes Campground (right side) will be another turn off (left side) across the highway from the Forest Service Guard Station access road. We will have a sign here to guide you to our meadow (only a couple of hundred yards off the main road). You are welcome to choose your spot, first come first served. We generally circle the wagons around the main antenna, operating positions and the generator. Talk-in will be on 146.76 until you get close (up and out of the canyon) and then on 146.54 simplex. We hope to see you there.



## BPL Coming To A Home Near You

In late February, NETGEAR who makes home networking LAN equipment is planning to offer BPL as an alternative to Wi-Fi (802.11 stuff) for wiring up PCs, notebooks, printers, etc. in your home. And in your neighbor's home!!!! So that S7 or even S9 noise you hear on the band in the future could be your neighbor or your neighbor's neighbor just running his home LAN. The ARRL has explained that "To operate at 200 Mb/s, they are going to have to use about 20 MHz of spectrum. It can be spread out in pieces across 2 to 50 MHz or so."

According to NETGEAR, "By turning any electrical outlet into a high-speed broadband connection, the fast 200 Mbps speeds provided by this collaboration will enable consumers to easily maximize the use of their network-enabled devices, such as digital video recorders, game consoles, personal computers, print servers or the NETGEAR Storage Central for storage, file, and print sharing, backups, Internet gaming, and video streaming. This proprietary technology using standardized DS2 chipsets will offer video Quality of Service (QoS) that makes it possible for users to seamlessly stream high-definition video throughout the entire home."

**What is really bad about this...is that you don't need a big power company like UP&L involved with some big "BPL project". The home LAN equipment attaches inside your house to your DSL or CABLE that has delivered the internet information to your home. That is: the BPL starts in your house...and does not come into your house via the power company outside power lines.**

The good news is that the BPL-technology-supplier (DS2) for NETGEAR is talking to Ed Hare, W1RFI, who is leading the BPL technical fight at the ARRL....and that is definitely a good step to avoid interference.

For more information on this new technology, go to  
[http://www.netgear.com/pressroom/press\\_releasesdetail.php?id=307](http://www.netgear.com/pressroom/press_releasesdetail.php?id=307)

### ELMER TIP

If you have an HT—be sure you hold the antenna straight up so that the signal gets through. Don't hold it so the antenna is parallel to the ground. Most of your signal will be wasted.



# June Meeting: Field Day

Ham radio's biggest contest, Field Day, will be coming up on June 26th and 27th, and UARC will be entering as a club. The coming meeting on June 2nd will be a chance to see some images of previous Field Days and make plans for the one coming up.

Field Day is a contest for portable and mobile stations, and UARC will be following the tradition of combining the contest with a family campout. We will be going to the same site as the last several years, near Payson Lakes.

For those who have never been to a Field Day, this will be a chance to see what it's all about and learn some of the operating tricks. For those who have been to Field Days in the past, this will be a good opportunity for us to find out why they don't come any more.

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", 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 "Kentucky Fried Chicken," 555 East 400 South in Salt Lake City.



## Exam Schedule

6/03/06<sup>1</sup> (Sat.) Salt Lake City  
Contact: Gordon Smith, K7HFV  
Phone: (801) 582-2438

6/07/06 (Wed.) Ogden  
Contact: Mary Hazard, W7UE  
Phone: (801) 430-0306

6/10/06 (Sat.) Logan  
Contact: Heidi Bleazard, AC7ZC  
Phone: (435) 753-7487

6/21/06 (Wed.) Provo  
Contact: Steve Whitehead, NV7V  
Phone: (801) 465-3983

6/21/06 (Wed.) St. George  
Contact: Ron C. Sappington, W17Z  
Phone: (435) 673-4552

6/27/06<sup>1</sup> (Tues.) Salt Lake City  
Contact: Eugene McWherter, N7OVT  
Phone: (801) 541-1871

7/05/06 (Wed.) Farmington  
Contact: Mike Youngs, KK7VZ  
Phone: (801) 573-3922

7/19/06 (Wed.) Provo  
Contact: Steve Whitehead, NV7V  
Phone: (801) 465-3983

7/19/06 (Wed.) St. George  
Contact: Ron C. Sappington, W17Z  
Phone: (435) 673-4552

7/25/06<sup>1</sup> (Tues.) Salt Lake City  
Contact: Eugene McWherter, N7OVT  
Phone: (801) 541-1871

7/27/06 (Thu.) Roosevelt  
Contact: R. Chandler Fisher, W7BYU  
Phone: (435) 722-5440

8/05/06<sup>1</sup> (Sat.) Salt Lake City  
Contact: Gordon Smith, K7HFV  
Phone: (801) 582-2438

8/16/06 (Wed.) Provo  
Contact: Steve Whitehead, NV7V  
Phone: (801) 465-3983

8/16/06 (Wed.) St. George  
Contact: Ron C. Sappington, W17Z  
Phone: (435) 673-4552

8/29/06 (Thu.) Roosevelt  
Contact: R. Chandler Fisher, W7BYU  
Phone: (435) 722-5440

<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>