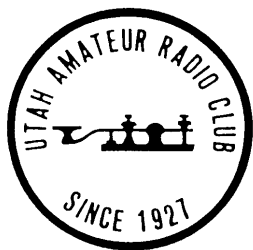




Bruce Kizerian, KK7ZZ, presented to the club crystal radio and told us about the current state of the art in building crystal sets, one of the oldest kinds of radio receiver. At the conclusion of the meeting all of the youth who were in attendance received a crystal radio kit. Even some of the adults were able to obtain one due to there being a few extra kits available.

June Meeting Topic: Field Day 2007



Volume 50, Issue 6, June 2007

Periodicals Postage

The Microvolt

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1933 Woodside Drive
Holladay, UT 84124-1632

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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	(435) 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: Bob Rollins, WB7DPA	942-2638
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: Andrew Madsen, AC7CF	466-0744
Steak Fry Chair: Jed Petrovich, AD7KG	566-6277
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

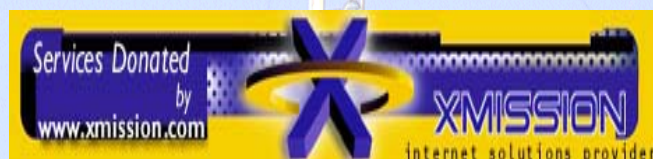
IRLP Information

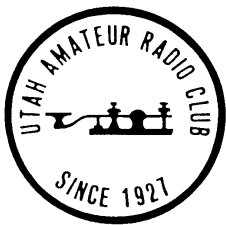
For information on using the club's IRLP node on the 146.76 repeater, check <http://www.utaharc.org/irlp>.

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





The Microvolt

June 2007

June Meeting Building Change

We have just learned that due to construction, our regular room in EMCB will not be available for the June meeting. Instead, we will be meeting in a newly completed building just east of EMCB. The official meeting place is Room 2230 of the John and Marva Warnock Engineering Building. This is the building that occupies what used to be our favorite parking lot on the west side of Central Campus Drive. It can be accessed from the same parking lots we have been using to reach EMCB. Here are two options:

Option 1: Park in the Merrill Engineering Building (MEB) parking lot near the northeast corner. This is the same lot that most people have been using for recent meetings. Walk along the sidewalk just east of MEB until you see the new building in front of you. Enter at any convenient entrance. This approach requires going up a few short stairways to get between sidewalk levels.

Option 2: Park in the lot that is on the east side of Central Campus Drive just south of MEB and south of Federal Way. (This is the lot that most people used just after construction started.) Cross Central Campus Drive and go in the east entrance of the new Warnock Engineering Building, which should be obvious from this location. There is also a drive-through area in front of the building where people can be dropped off, and a few parking places for the handicapped.

Once in the building... Once you are inside the building, look for the elevators near the east end. Take an elevator to the second floor. Walk straight west on the second floor, crossing a bridge across a large atrium. Our lecture room will be the last room on the right.

For future updates and more information, please see the club web site at <http://www.xmission.com/~uarc/meeting.html>

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Special points of interest:

- ◆ *Next UARC Meeting June 7th—Field Day*
- ◆ *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 Jed W. Petrovich AD7KG. Jed is a new ham. He received his Technician license in October, 2005. Jed studied the book for about a week and took the test and passed. His previous call sign was KE7FDT. In October, 2006 Jed passed the code and the General test and on Halloween night that same year Jed received his Extra class license.

Jed became interested in Amateur radio through his friend Lawrence B. Lincoln, K7UHU. Lawrence wanted Jed to get involved in emergency preparedness. He is active in emergency preparedness. His stake has a net every Tuesday at 8:30 P.M. on simplex.

Jed enjoys talking on the 145.19 Intermountain Health repeater to and from work. Jed is a computer programmer for Health Select. Jed and his wife Crystal have three children, two boys, one girl

and one granddaughter.

Jed is a member of UARC. He has been teaching an antenna building class. It went really well. There were 12 people in the class. Jed is hoping to teach another one in the fall when things aren't quite so busy. If anyone is interested let him know.

Jed is in charge of steak fry for this year. Jed is also a member of the Utah DX Association, the ARRL and is an ARRL VE. Jed is a member of the 3905 Century Club. This club works with QSL cards.

Jed's favorite thing about amateur radio is getting on the HF bands. He enjoys DXing, contesting and just general QSO's.



Jed we appreciate your help with steak-fry.

73, Linda Reeder, N7HVF



Antenna Romance

From The Internet

Two antennas met on a roof, fell in love and got married. The ceremony wasn't much, but the reception was excellent. Since they were a perfect match, soon they generated harmonics. Wrapped the harmonics in dipoles. But later the harmonics turned out to be parasitic elements. The true story -- she was a tri-bander and he felt trapped, so they went on separate beam headings.

Help Needed with MS-150 Bike Tour

Brett Neilson, KC7IIB, informs us that help is needed for communications for the annual MS-150 Bike Tour to be held the weekend of June 23 and 24. (Unfortunately, this is the same weekend as ARRL Field Day.)

The Utah MS-150 is an event where more than 2000 cyclists cover 150 miles over two days. The tour starts in Logan and stretches into southern Idaho. The riders collect pledges of contributions to the Utah Chapter of the National Multiple Sclerosis Society, either as an amount per mile completed, or a flat

contribution. Amateur radio operators help ensure the safety of the riders by providing communications among race officials, checkpoints, food trucks, sag vans, and key personnel along the 150-mile course.

Unfortunately, the size of the tour has been growing in recent years, while the number of amateur operators has been shrinking. This phenomenon has caused more of the communications to be handled outside the ham community using cell phones. Brett writes: "This year registrations are up 25% which means even a bigger need

for amateur radio than ever. It would be great to get this event back to 100% Amateur Radio, and with your help we can!"

Operators with VHF equipment are needed for both days. If you can help, contact Brett at:

Web: www.arpse.org (Click on the event and fill out the form.)

Email: brett@brettneilson.com (Watch the spelling of the last name.)

Phone: (801) 649-3594

Field Day Joke

A ham operator is operating Field Day alone at a deserted beach. He is taking a little break from the action, walking around on the beach and notices an antique brass bottle mostly buried in the sand. He digs it out and discovers it's a genie bottle! He manages to get it open and a genie appears. "Thank you for freeing me, O Master!" said the grateful genie. "I will grant you any one wish you want." The ham thinks about it

and says, "OK, I got it. I live right now in a restrictive neighborhood. I would like to have a 500 foot tower with all sorts of antennas, despite the homeowners association." The genie looks worried. "O Master! That's a big order. The power of these HOAs and their CC&Rs is most powerful! In fact, they are more powerful than even I, O Master! I would beg you to please choose something else for your wish." The ham says,

"OK, let's do this." He goes over to his ham station and pulls out his log books. "See this entry? This is a contact I once made with W6OPI. I would sure like to get his QSL card after all this time." The genie looks at the logbook. Then he says, "Now regarding that 500 foot antenna tower, do you want it galvanized or stainless steel?" (from AC6V.com website).



BITTEN BY THE BUG!



ARRL FIELD DAY 2007

When: June 23rd and 24th, 2007

Where: Just past Payson Lakes Campground, Mount Nebo Scenic Loop, Payson Utah (See map on page 7.)

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 Andrew Madson, AC7CF, at or call the UARC's Ham Hotline at 583-3002.

So, how to get there? Go south on I - 15

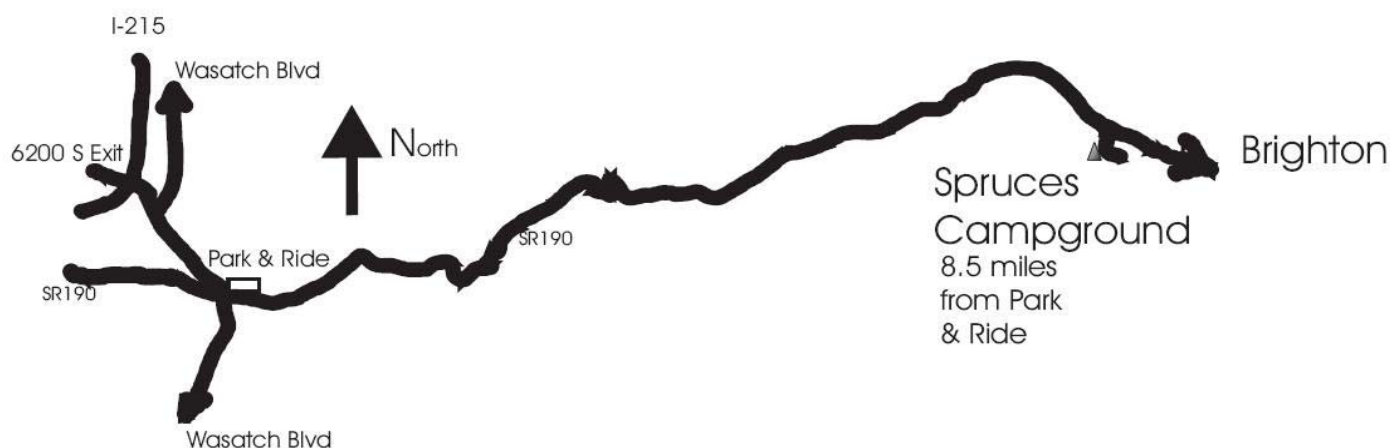
(approximately 65 miles from Salt Lake City), get off at the Payson exit (#254)

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.

Steak Fry



During March the UARC Board asked the membership to consider several options for financing the annual steak-fry. Those who voted on the web and at the April meeting were overwhelmingly in favor of simply raising the price of the tickets high enough to cover the costs. The secretary can now take reservations for this year's event. UARC's annual steak-fry will take place on Saturday afternoon, July 14, at the Spruces Campground in Big Cottonwood Canyon. This annual event takes the place of a July meeting and includes a mini swap-meet and a full steak dinner. Prices are as follows:

Adults \$14.00
Children (hamburger dinner) \$5:00

To make reservations, get funds to the Secretary at the June meeting, or by mail at:

UARC
c/o Dick Keddington
1933 Woodside Drive
Holladay, UT 84124-1632

Those who are PayPal members may address payment to uarc@xmission.com.

June Meeting: Field Day

Thursday, June 7th, 7:30 PM

Field Day, amateur radio's biggest contest, is coming up June 23 and 24, and the June meeting, to be held Thursday, June 7, will be devoted to the club's Field Day entry. We'll be looking at some scenes from previous Field Days and talking about plans for the coming event. There will be explanations for the newcomers, operating tips, and pictures. If you're new to Field Day, this is a great chance to find out what it's all about. If you're already a Field Day regular, it will be a chance to reminisce. And if you regularly avoid Field Day, it will be an opportunity to remember why.

Field Day is an annual nationwide contest to encourage portable and mobile operation and to test and demonstrate our ability to establish communications from almost anywhere in case of an emergency. Stations are set up from locations out in the field and try to work as many other stations as possible in a 24- to 27-hour period. (See complete Field Day rules at www.arrl.org/contests/rules/2007/fd.html.)

Here are a few details about Field Day itself. Andrew Madsen, AC7CF, has agreed to be chairman of the event this year. We will be going back to the spot just south of Payson Lakes that we have used for a number of years. We will most likely enter in the 3A class (three transmitters operating portable). It is a great opportunity for a family camp-

out. Some folks plan to spend the entire week leading up to Field Day weekend. The site is unimproved, however, so plan on bringing your own food, water, shelter, etc.

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 Arby's, 420 East 400 South.

Exam Schedule

06/02/07¹ (Sat.) Salt Lake City
Contact: Gordon Smith, K7HFV
Phone: (801) 582-2438

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

06/09/07 (Sat.) Logan
Contact: Roberta Lofthouse, KJ7LQ
Phone: (435) 245-6632

06/20/07 (Wed.) St. George
Contact: Ron C. Sappington, WI7Z
Phone: (435) 673-4552

06/20/07 (Wed.) Provo
Contact: Steve Whitehead, NV7V
Phone: (801) 465-3983

06/26/07 (Tues.) Salt Lake City
Contact: Eugene McWherter, N7OVT
Phone: (801) 541-1871

07/11/07 (Wed.) Farmington
Contact: Mike Youngs, KK7VZ
Phone: (801) 573-3922

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

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

07/19/07 (Thu.) Roosevelt
Contact: R chandler Fisher, W7BYU
Phone: (435) 722-5440

07/31/07 (Tues.) Salt Lake City
Contact: Eugene McWherter, N7OVT
Phone: (801) 541-1871

08/04/07¹ (Sat.) Salt Lake City
Contact: Gordon Smith, K7HFV
Phone: (801) 582-2438

08/15/07 (Wed.) Provo
Contact: Steve Whitehead, NV7V
Phone: (801) 465-3983

08/15/07 (Wed.) St. George
Contact: Ron C. Sappington, WI7Z
Phone: (435) 673-4552

08/28/07 (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>