

The *Microvolt*

June, 2012



Prologue

Publication: *The Microvolt* (USPS 075-430) is the official publication of the Utah Amateur Radio Club, Incorporated, 699 E. South Temple Ste 100, Salt Lake City, UT 84102-1282. It is published monthly except August. Subscription is included with club membership at \$17 per year. Single copy price is \$1.50. Periodicals postage paid at Salt Lake City, Utah. Postmaster: send address corrections to *The Microvolt*, c/o Dick Keddington, 1783 Woodside Drive, Holladay, UT, 84124-1620.

Deadline for submissions is the 24th of each month prior to publication. Submissions by email are preferred (k7hfv@arrl.net), but other means including diskettes and typewritten submissions can be mailed directly to: Gordon Smith, 632 University St., Salt Lake City, UT 84102-3213. 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.

Club: 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 second Thursday of the month at 7:30 PM in the University of Utah's Warnock Engineering Building, generally in room 1230 or 2230.

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, 1783 Woodside Drive, Holladay, UT 84124-1620.

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-) is IRLP node 3352. Instructions for IRLP use are on the club website.

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.

UARC 2012 Board

| | |
|---|--------------|
| President: Clint Turner, KA7OEI | 801 566-4497 |
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| Vice Pres: Brett Sutherland, N7KG | 801 298-5399 |
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| Imm. Past Pres: Linda Reeder, N7HVF | 801 364-7006 |

Committee Chairpersons and Members

| | |
|---|--------------|
| "Book Lady": Brett Sutherland, N7KG | 801 298-5399 |
| Historian: Ron Speirs, K7RLS | 801 904-3587 |
| Field Day Chair: Brett Sutherland, N7KG | 801 298-5399 |
| License Trustee: Brett Sutherland, N7KG | 801 298-5399 |
| Repeater Engineer: Randy Finch, K7SL | 801 556-7565 |
| ATV Engineer: Clint Turner, KA7OEI | 801 566-4497 |
| Autopatch Engineer: Gordon Smith, K7HFV | 801 582-2438 |

Contents

| | |
|------------------------------------|---|
| June Meeting: Bob Heil, K9EID..... | 3 |
| Latest News..... | 4 |
| Field Day Near Payson Lakes..... | 5 |
| License Examination Schedule..... | 6 |
| Member of the Month..... | 7 |
| Scouting for Food Photos..... | 8 |

IRLP Information

For information on using the club's IRLP node on the 146.76 repeater, check <http://user.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: <http://user.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

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Note: The meeting program changed after *The Microvolt* was printed. See <http://user.xmission.com/~uarc/meeting.html> for the updated program information.

June Meeting: Bob Heil, K9EID

Thursday, June 14, will be a very special night. We expect to have the famous Bob Heil, K9EID, speak to UARC via Internet. Bob is famous for his sound achievements in the music field as well as being a well-known figure in amateur radio. He founded “Heil Sound” in 1966 and was instrumental in creating what became “the Rock and Roll Sound.” Early adopters of his systems were “The Grateful Dead” and “The Who.”

Bob is currently the host of the weekly webcast, “Ham Nation” (see twit.tv/show/ham-nation) and is a regular at various hamfests and conventions around the country.

Bob is a busy man and this is our third try at getting him scheduled, but so far the omens look favorable.

The June meeting will also be the last chance to buy tickets in person for the annual UARC steak-fry to be held Saturday, July 14. (Further details elsewhere in this issue.)

That's the June UARC meeting on Thursday, June 14, at 7:30 P.M.

UARC meetings are held on the second Thursday of each month at 7:30 P.M. During spring semester, they have been in room 1230 (the “Duke” classroom) of the Warnock Engineering Building at the University of Utah. (If you find 1230 occupied by someone else, try 2230, the room directly above.) See the [map](#) for information on finding the building.

Of course, the meeting will include the “standard” meeting features:

- Availability of ARRL books from Brett, 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 after the meeting”: A chance to enjoy pizza or other gastronomic delights with other hams. It happens at Litza's Pizza, 716 E. 400 South.
- 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. The June get-together will be at “Greek Souvlaki,” 404 E. 300 South in Salt Lake City.

Latest News

Our Cover

Our cover this month shows those who participated in the Field Day program at the May UARC meeting. Left to right is UARC President Clint Turner, KA7OEI; Gordon Smith, K7HFV, holding the slide tray with his high-tech medium; Gary Wong, AB1IP, and Andrew Madsen, AC7CF, who demonstrated the scheme for making contacts and logging using the TRLog program; and Brett Sutherland, N7KG, who gave a presentation on the essentials of Field Day. Below is the simple configuration of laptops, mixers, cables, and other unidentified components, that made possible the demonstration of simultaneously working CW and logging. Thanks to club Historian K7RLS for the photos.

Gene Deal Injured

Gene Deal, KF7BSF, recently retired as a UARC Program Chairperson, was recently involved in a motorcycle accident in Virginia. According to Venus, KB7FXB, he suffered multiple fractures and is recovering in Roanoak. He is expected to return to Utah soon and continue learning to walk again. We wish Gene the best.

Words from the Prez:

Why not participate in Field Day?

It's June already and Field Day is fast approaching!

If you've been a ham for a while, you probably know a bit about Field Day even if you've never been to one, but just in case you don't know about it, it's the one annual ham event in which you should *strongly* consider participating. Why? In this area — perhaps more than in others around the country — there's a strong emphasis on

emergency preparedness, and Field Day is one of the ultimate activities that can test one's metal when it comes to radio operation that is *other* than routine!

Think of it this way: On Field Day, you can have the opportunity to operate away from the comforts of civilization such as power, internet, cell phone coverage, and ready access to food and supplies, and to operate under very busy conditions with often less-than-ideal copy on the other stations, using stations that you set up (and then take down) in the middle of nowhere!

While UARC's Field Day activities fit the description pretty well — and you are highly encouraged to join us at Payson Lakes — you need not make a commitment to drive a fair distance and camp overnight. There are a lot of other groups that will do similar activities much closer to home where you can get much of the same sort of experience in operating and if camping isn't for you, I'd encourage you to seek out one of those gatherings — even if they are *not* UARC-related.

-Clint Turner, KA7OEI, UARC President

Event Calendar

| Date | Event | Web Site |
|------------|----------------------|--|
| June 23-24 | Field Day | |
| July 14 | Steak-Fry | |
| July 27-29 | Bryce Canyon Hamfest | utahhamfest.org |

Steak-Fry July 14

UARC's annual summer steak-fry and swap meet will take place on Saturday afternoon, July 14.

Steaks will start going on the grill about 5 P.M. Hams usually start showing up about 2 P.M. to chat, swap, and enjoy the cool mountain air.

Location is “The Spruces” campground in Big Cottonwood Canyon (the canyon in which the Solitude and Brighton ski resorts are located). The campground is about 10 miles up the canyon on the right. Tell the folks at the entrance station you are with the radio club in Area 9.

Field Day Near Payson Lakes

It's almost time for amateur radio's biggest operating event. Field Day 2012 is the weekend of June 23 and 24. All across the U.S. and Canada there will be thousands of stations on the air from portable locations trying to work each other and achieve high scores. This event attracts more participants than any other contest, QSO party, or other type of operating event. The object is to work as many stations as possible in 24 (or in some cases 27) hours. For full details of the event, see <http://www.arrl.org/field-day>.

As UARC, we will be entering the contest with either two or three regular stations (plus a “Get on the air” station for newcomers) from our traditional site just south of Payson Lakes. Field Day is a great opportunity to combine ham radio with a family campout. It's also a chance to see how an HF station is set up from scratch and a chance to operate HF if you've never had the opportunity before. We will likely work a couple of thousand stations and contact every state in the union before the event is over.

Anyone is welcome to come and operate. Membership in UARC is not required. Our site is just an open field without any improvements, although there is a Forest Service campground just a half-mile away. Those coming up should bring food, water, warm clothes, and shelter as appropriate for the time they will be on the site. Daytime temperatures are usually quite

Tickets are \$10 and can be purchased as the June meeting or at Field Day. Other options are to send a check to the club Secretary (see page 2) or send funds via PayPal to <mailto:uarc@xmission.com>. Bring your own plate and silverware if you would prefer something better than paper and plastic.

comfortable, but at night temperatures fall quickly, so a warm coat is desirable.

We will have a pot-luck dinner on Saturday night. The club will supply a main dish and recommends that everyone bring a side dish to share. Be sure, also, to bring your own trash bag.

There will be awards available for those who operate at least an hour. Full details are not known at this writing.

What to Bring: Besides food, water, shelter, and a means to stay warm, things you might want to bring would include:

- A chair
- Sunscreen
- Hat
- Toolbox
- VOM
- Assortment of spare fuses
- Favorite key or paddles
- Fishing gear

When to come: Some folks will be on the site as early as Thursday evening, June 21. The rules allow us to start setting up at noon on Friday the 22nd. It would be very helpful to have as many people as possible there for setup so we can get everything running and test the gear Friday evening. Actual operation starts at noon on

The Microvolt June 2012

Saturday and continues until noon on Sunday. You may come whenever you like and leave when you must.

How to get there:

1. Assuming you are starting from the Salt Lake Valley, go south on I-15 to the first Payson exit, exit 250. Take the exit.
2. Go left at the end of the exit ramp which should put you on Main Street (aka SR-115). (You are really going south at this point although it may seem like east.)
3. Turn left on 100 North, aka SR-198.
4. Turn right on 600 East, also called "Peetneet Boulevard." This turn is at the top of a hill at a picturesque old school.
5. Follow 600 East until it takes you to the mouth of Payson Canyon. At this point note your odometer reading or reset your trip odometer.

6. Watch for landmarks at these approximate mileages from the canyon mouth:
 - a. 11.1: Payson Lakes Day-use area on the right.
 - b. 11.7: Payson Lakes Campground.turnoff on the right.
 - c. 12.3 Guard station turnoff on the right.

At the guard station turnoff on the right, don't take the right turn, but instead turn *left* onto a dirt road. Within a few hundred yards you will see the camp area.

We should emphasize (someone got lost last year) that these mileages are *all from the Canyon Mouth*, not from each other.

According to Google Earth, the coordinates are 39° 55' 31.11" N., 111° 37' 53.06" W.

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

| Date | Day | City | Contact Person | Phone |
|----------|---------|-----------------------------|--------------------------|----------------|
| 06/07/12 | (Thu.) | Logan | V.P. Rasmussen, N7JFG | (435) 770-0630 |
| 06/13/12 | (Wed.) | Provo | Steve Whitehead, NV7V | (801) 465-3983 |
| 06/13/12 | (Wed.) | St. George ² | Gary O. Zabriskie, N7ARE | (435) 674-2678 |
| 06/26/12 | (Tue.) | Salt Lake C. | Eugene McWherter, N7OVT | (801) 541-1871 |
| 06/16/12 | (Sat.) | N. Salt Lake | Gary L. Davis, KE7MQF | (801) 865-0299 |
| 07/11/12 | (Wed.) | Clearfield | Mike Youngs, KK7VZ | (801) 573-3922 |
| 07/18/12 | (Wed.) | Provo | Steve Whitehead, NV7V | (801) 465-3983 |
| 07/18/12 | (Wed.) | St. George ² | Gary O. Zabriskie, N7ARE | (435) 674-2678 |
| 07/31/12 | (Tues.) | Salt Lake C. | Eugene McWherter, N7OVT | (801) 541-1871 |
| 08/04/12 | (Sat.) | Salt Lake C. ^{1,3} | Gordon Smith, K7HFV | (801) 582-2438 |

¹Preregistration required. Check with the contact person before the test session.

²More information at <http://www.dixieham.org/meetings.html>

³More information at <http://utaharc.org/Exams>

Member of the Month

Bryon Holder, KF7UBS

(Photo by K7RLS on page 8)

By Linda Reeder, N7HVF

This month we are featuring Bryon J. Holder, KF7UBS. Bryon received his Technician license May 5, 2011 after testing in Tooele with a group from his LDS stake. Bryon received his General license in February, 2012, after testing at a session administered by Eugene McWherter, N7OVT.

It was his brother, Robert Holder, KB7WVL, and Don Ballou, N4TRS, who influenced Bryon to get into amateur radio. Bryon is in the same stake that Don Ballou is in. Don is trying to get stake members to get involved in amateur radio to help out in emergencies. Now, Bryon is very active in emergency communications. Bryon is the emergency coordinator for the 19th LDS ward. He is also involved with the CERT program.

They participated in the shakeout earthquake exercise which took place on April 17 of this year. Bryon said it was a great learning experience. They learned a lot in handling emergency communications. Many different amateur radio groups took part in the shake out exercise and so did the fire department, police department and hospitals. Even the Salt Lake Valley Health Department where I work took part in it. I think the most important communication lesson learned was to listen, listen, before transmitting. Everyone was trying to get ahold of the CEO at once and there was a lot of doubling.

Bryon is a scoutmaster. He has been the scoutmaster for his LDS stake for 11 years. Bryon

said this is the original Scout Troop 2 which was started September 1, 1913, and they will be celebrating their 100th anniversary next year. Bryon also said that his stake, the Salt Lake stake, is the oldest stake. The Salt Lake stake was the first stake in the valley in 1847 when the pioneers came to Salt Lake City, Utah.

Bryon likes to participate in public service events. He has just finished working with the Salt Lake City Marathon. Last year Bryan helped with the Days of '47 Parade and he is going to do it again this year.

Bryon is a member of UARC and the 76ers group. Bryon enjoys talking to everyone in the 76ers group. They have a net every Thursday at 7 P.M. on the 146.76 repeater. Bryon has an Icom V-180 2-meter handheld and a mobile Icom.

Another hobby Bryon enjoys is woodworking. Bryon works for Watson Pharmaceutical as a shipping and receiving operator. Bryon started working at Watson Pharmaceutical June 25, 2007. Bryon's wife, Diane, works as an accountant at the Joseph Smith building. She started working there November 11, 1995. Diane doesn't have her ham license but he is trying to get her interested. He is also helping his brother, Robert, KB7WVL, get his wife and daughter into the hobby.

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



Bryon Holder, KF7UBS
(Thanks to K7RLS for photo.)

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Scouting for Food Photos

Thanks to Bruce Fereday, KF7OZK

Hams helped with the “Scouting for Food” drive, April 15, by providing communications.



Dave, KF7MCF, and Bruce, KF7OZK