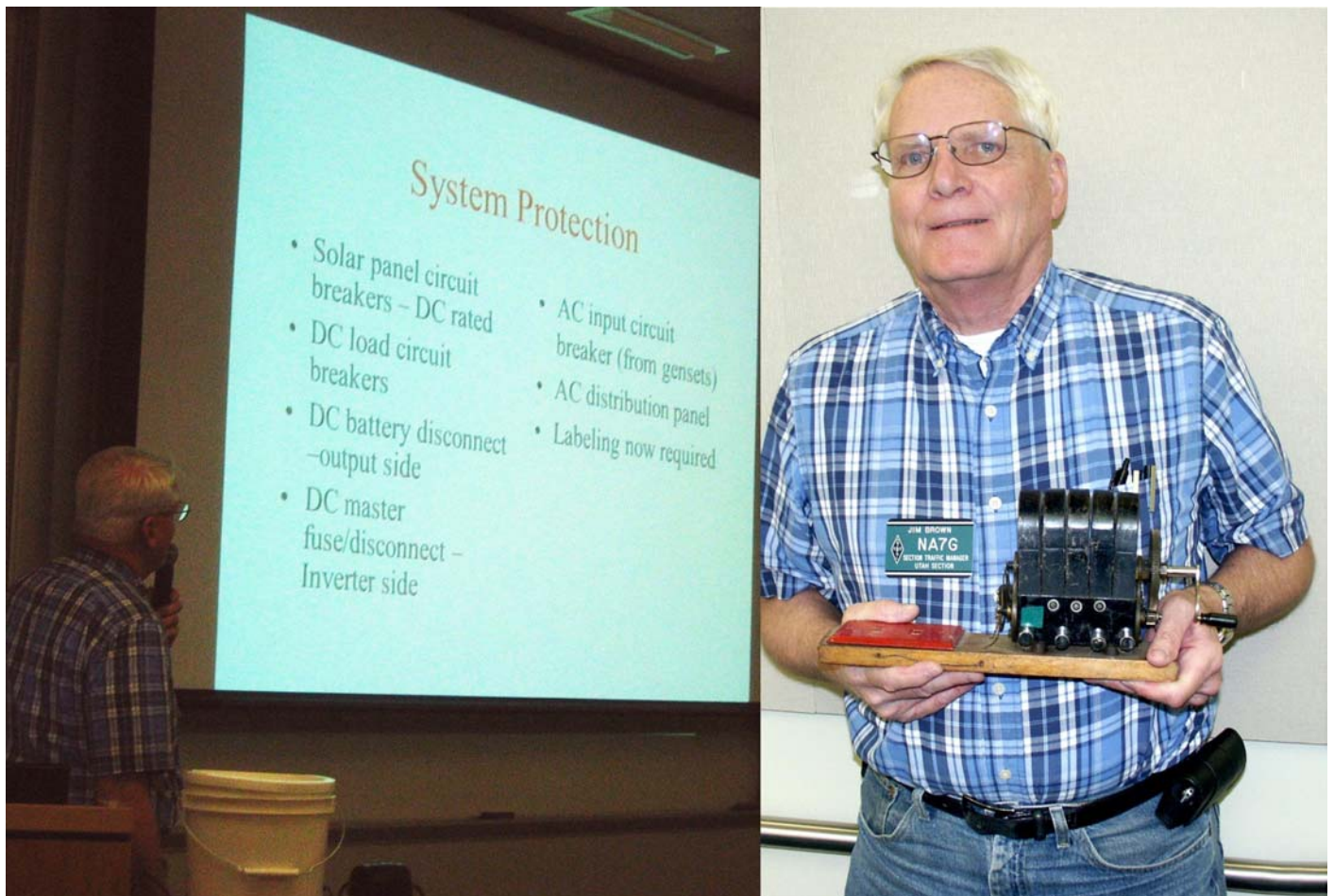


The *Microvolt*

April, 2015



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, 5474 Hews Place, Taylorsville, UT, 84129-1416.

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, 5474 Hews Place, Taylorsville, UT, 84129-1416.

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, sometimes in 2250 or 105.

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, 5474 Hews Place, Taylorsville, UT 84129-1416.

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 2015 Board

President: Clint Turner, KA7OEI	801 566-4497
Executive VP: Rick Asper, AC7RA	801 865-1693
Vice Pres: Brett Sutherland, N7KG	801 298-5399
Secretary: Dick Keddington, KD7TDZ	801 274-9638
Treasurer: Chuck Johnson, WA7JOS	801 268-0153
<i>Microvolt</i> Editor: Gordon Smith, K7HFV	801 582-2438
Asst. <i>Microvolt</i> Editor: Mary Alexander, KF7QVL	801 347-3220
Program Chairperson: Morris Farmer, AD7SR	801 278-4966
Program Chairperson: Chuck DeWitt, W7DTO	435 882-9002
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: (To be determined)	
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

April Meeting: The 7 th Area QSO Party	3
Latest News.....	4
License Examination Schedule.....	5
News from the Rocky Mountain Division.....	5
Member of the Month.....	7

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

The Official Publication of the Utah Amateur Radio Club, Salt Lake City, Utah
Volume 58, Issue 4, April 2015

April Meeting: The 7th Area QSO Party ("7QP")

Have you heard of a QSO Party? It's a sort of contest put on by the hams in a particular state or region of the country. A look through *QST* magazine's contest calendar will probably reveal a number of these. It's a time when lots of hams from the particular area will get on the air, and a time when others can work them (particularly if they need them for a Worked All States or County Hunters award) and those in the home area can be on the receiving end of a pileup.

Until recently our part of the country was without our own QSO party, but a number of years back some energetic hams organized a QSO party that included the entire seventh call area (Washington, Oregon, Idaho, Montana, Wyoming, Nevada, Arizona, and, oh, yes, *Utah*).

So what are the ways one can participate? Our speaker at our April 9 meeting will be Bryon Densley, W7RIV, and he will be telling us all about "7QP" as it is called. How does one make points? Can one have a mini Field Day type operation? Bryon will be answering these and other questions. You might want to do some preparatory reading at the official 7QP web site: <http://www.7qp.org/>.

The meeting will be on Thursday, April 9, at 7:30 P.M. in room 1230 (the "Duke" classroom) of the Warnock Engineering Building.

UARC meetings are held on the second Thursday of each month at 7:30 P.M., in the Warnock Engineering Building on the University of Utah campus. The spring, 2015, meetings will be in room 1230, "the Duke classroom" on the ground floor. See the [map](#) at <http://user.xmission.com/~uarc/meetmap.html> for information on finding the building. The room number varies depending on availability.

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 April get-together will be at “The Village Inn,” 910 E. 400 South in Salt Lake City.

Latest News

Our Cover

Our cover this month is from our March meeting featuring Jim Brown, NA7G, on how to assemble an emergency or “off-the-grid” power system using solar panels and engine-driven generators. On the right Jim shows a hand-driven generator that was used to demonstrate the rather striking difference between the illumination one can get from an incandescent lamp versus LED lighting on limited power. Thanks to K7RLS for photos.

Jim’s slides are available at:

http://www.beehiveutahnet.com/uploads/POWER_PNTMar1215.pdf for anyone who would like to study them further. (The link is also available on the UARC web site under “Current News.”)

KC7CSE, SK

We regret to report the passing of Eugene Christensen, KC7CSE, on Tuesday, March 17, 2015, at the age of 86. Eugene had been a member of UARC for many years and was known for his interest in Field Day and his generous donations of copies of the book *200 Meters and Down*, a history of the early days of amateur shortwave transmissions.

Due to age-related disabilities, Eugene had spent recent years in nursing centers and group homes and his activities were severely limited.

See Eugene's obituary at:

<http://www.murraymemorial.com/obituaries/Eugene-Christensen/#!/Obituary> for more information. (Despite a typo in the obituary, Eugene was not married in the same year he was born! His date of birth was actually July 18, 1928.)

Field Day Help Needed

We continue to be in need of folks to help plan our entry in the national Field Day contest coming up on June 27 and 28. We will be making contacts around the country for 24 hours from a portable station near Payson Lakes. If you would like to join the committee, contact one of the officers. (See the inside front cover for a list.)

Division Convention in Utah this August

It's Utah's turn to host the ARRL Rocky Mountain Division Convention! ARRL's Rocky Mountain Division contains the states of Arizona, Colorado, New Mexico, and Utah. The chance to host the convention rotates through the four states and in 2015 it falls to Utah. Rooms and campsites tend to go quickly, so it may be time to make reservations.

The 2015 event will take place on Friday July 31 through Sunday, August 2, and will be held at Ruby's Inn, just outside Bryce Canyon National Park. Convention activities will include:

- Dealers' displays
- Swap meet
- Seminars and forums
- Contests
- License exams
- Activities for XYL's and children
- Awards
- QSL checking for ARRL awards
- Midnight Initiation into “Order of the Wouff Hong”

Admission is \$12 for adults and \$5 for youth 17 and under if prepaid before July 15. At the door it becomes \$15 and \$7 respectively.

Ruby's Inn (<http://rubysinn.com>) offers both rooms and campsites. Special rates apply prior to July 1. Ask for special room code 31G. Contact them at (435) 834-5341 Ext. 7222.

For more information visit <http://utahhamfest.com>.

Electronic-Only *Microvolt*

As mentioned last month we are looking into giving members the option of getting *The*

Microvolt in strictly electronic form. Don't worry, the printed edition isn't expected to go away any time soon, but if some members would be just as happy with an electronic version, that will save us some money on printing costs. It appears there are enough members interested to make it a feasible idea. We still need some time, though, to make changes in our production routine and in our database structure, so stay tuned for more information.

The PDF version continues to be available each month at:

<http://user.xmission.com/~uarc/Microvolt/>.

License Examination Schedule

Opportunities to test for new or upgraded amateur licenses

Date	Day	City	Contact Person	Phone
04/04/15	(Sat.)	Salt Lake City ^{1,4}	Gordon Smith, K7HFV	(801) 582-2438
04/11/15	(Sat.)	Hurricane ²	Gary O. Zabriskie, N7ARE	N/A
04/15/15	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
04/15/15	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
04/18/15	(Sat.)	Logan	Richard D. Elwood, KE7GYD	(435) 753-4360
04/28/15	(Wed.)	Salt Lake City ³	Eugene McWherter, N7OVT	(801) 541-1871
05/16/15	(Sat.)	Farmington	Gary L. Davis, KE7MQF	(801) 298-3127
05/20/15	(Wed.)	Provo	Steve Whitehead, NV7V	(801) 465-3983
05/20/15	(Wed.)	St. George ²	Gary O. Zabriskie, N7ARE	N/A
05/26/15	(Tue.)	Salt Lake City ³	Eugene McWherter, N7OVT	(801) 541-1871

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

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

³New location: Senior Center at the Columbus Center, 2530 S. 500 East

⁴More information at <http://www.utaharc.org/Exams/>

Check <http://user.xmission.com/~uarc/testinfo.html> for further exam information.

News from the Rocky Mountain Division

By Brian P. Milesosky, N5ZGT
Director, ARRL Rocky Mountain Division

Amateur Radio Parity Act of 2015 Introduced – Call to Action

The Amateur Radio Parity Act of 2015 (H.R.1301) has been introduced in the US House of Representatives. The measure would direct the FCC to extend its rules relating to reasonable

accommodation of Amateur Service communications to private land use restrictions. US Rep Adam Kinzinger (R-IL) introduced the bill on March 4 with 12 of the original co-sponsors from last year's H.R. 4969 legislation immediately signing on.

H.R. 1301 would require the FCC to amend its Part 97 Amateur Service rules to apply the three-part test of the PRB-1 federal pre-emption policy to include homeowners' association regulations and deed restrictions, often referred to as "covenants, conditions, and restrictions" (CC&Rs). At present, PRB-1 only applies to state and local zoning laws and ordinances. The FCC has been reluctant to extend the same legal protections to include such private land-use agreements without direction from Congress.

H.R. 1301 has been referred to the House Energy and Commerce Committee. Rep Greg Walden, W7EQI (R-OR), chairs that panel's Communications and Technology Subcommittee, which will consider the measure.

This is a call to action for all ARRL members to once again contact your US House member and ask them to sign on to the bill as a co-sponsor.

ARRL staff, officers, and board members are planning to personally visit members of Congress and their staff in Washington DC to convey the importance of this legislation and seek their support as co-sponsors. An equally strong grassroots effort from each Representatives' constituents (that is, every ARRL member and ham back at home) is the other much needed part of the equation for H.R. 1301 to gain the visibility and support it needs to move through the political process on Capitol Hill.

To learn who your Representative is and obtain their contact information (email or mail), please visit <http://www.house.gov/representatives/find/> and enter your zip code.

Additional details about H.R.1301 including talking points, a list of current co-sponsors, sample email or letter text, and more can be found at www.arrl.org/hr-1301

If you wish to express your support for H.R. 1301 to your Representative by signed letter, please read the sections pertaining to letter writing and delivery on the ARRL web link provided above carefully.

(ARRL is currently engaging members and staff in the US Senate to develop support for a companion bill. Please do not reach out to your Senators quite yet.)

Finally, if you happen to know your Representative or Senators (or any of their staff) personally, please contact Brian Milesosky N5ZGT immediately (n5zgt@arrl.net).

ARRL Rocky Mountain Division Net

Please join us for our next monthly ARRL Rocky Mountain Division amateur radio net.

ARRL members and hams are invited to participate in this monthly interactive and roundtable-like net, accessible through both IRLP and Echolink (experimental link) to interact with Division and Section leadership, meet League members, and receive pertinent League-related information while at home or out and about.

Here are the details:

DATE: Second Wednesday evening of each month (next: April 8)

TIME: 7:30 PM mountain time

IRLP NODE: 9871

ECHOLINK NODE (experimental): 415699 (K0JSC-R)

To find an IRLP-capable repeater in your area, visit the "Node Info" page at <http://www.irlp.net/>.

Generally all you need to do to link an IRLP-capable repeater into the net's reflector is enter "9871" with your DTMF keypad and wait for the voice prompt indicating that the link is open. To unlink, enter "73."

To find an Echolink-capable system in your area, visit <http://www.echolink.org/> and <http://www.echolink.org/links.jsp>

If you've never used IRLP or Echolink before, please experiment with linking/unlinking before the net.

We hope you'll join us for the net.

Vice Director Dwayne Allen and I continue to welcome your concerns, questions and ideas regarding ARRL policies. We are grateful for your membership within ARRL, and thank you for a memorable Centennial year. We look forward to working you on the air.

73,
Brian Milesosky N5ZGT, Rocky Mountain
Division Director

Member of the Month

James Payne, N5TEH

By Linda Reeder, N7HVF

This month we are featuring James Payne, N5DEH. James has been licensed since 1976. He grew up in Blythe, California, and his family was active in amateur radio. His dad taught James how to build radio gear. While he was still a little boy he helped his older brothers build transmitters. When James' dad was a young man he had quite the ham station in his home. When guests came to visit they loved to talk on the ham radio.

James obtained his Novice, Technician, and General licenses while living in California. It wasn't until last year that he moved to Utah. He obtained his Extra Class license in July.

James enjoys building kits and QRP. While living in California James had a Heathkit HW-101HE. He enjoyed working CW and spent a lot of time on 15 meters. When I asked James about his favorite thing about amateur radio he said it was the technical part. He loves to read and learn all he can about amateur radio.

James had a 6th area call sign until he moved to New Mexico where he changed it to N5DEH. James decided he was going to keep it even if he moved again.

James is an attorney. He worked and lived in New Mexico for 15 years; then James and his family moved to Orlando, Florida, where he got a job working as an attorney for the LDS Church cattle ranch. James is the property manager. James lived in Florida for 18 years.

He moved to Salt Lake in July 2014 where he still works for the church ranch and has an office in Salt Lake. James is required to go to Florida once each month for a week. He said that, unfortunately, it just happened to land on the week we have our UARC meeting. The March meeting was one that James really wanted to attend to learn about solar power. James said he hopes someone video taped it.

James and his wife, Patricia, have seven children: four boys and three girls. They are all grown now. Three sons and one daughter have their amateur radio licenses. Jay, KE7GYK, has his General Class license and lives in Bakersfield California. Jayson, KC5HIM, has his Extra Class license and lives in New Mexico. Taylor, KG7BXC has his Technician license and lives in Randolph, Utah. James talks to Taylor quite a bit on the two-meter

The Microvolt April 2015

linking system. James' daughter, Lindsay, KD0LCI, has her Technician license and lives in Fort Collins, Colorado. James also has two daughters in-law and one son in-law who have their ham licenses as well. There are several ways James and his wife, Patricia, can communicate with their children by way of amateur radio. They include the linking system of repeaters, IRLP, and Echolink which can be used by computer or radio and, of course, the HF bands.

James joined UARC in January of this year. He really enjoys going to the meetings. James is also a member of the Utah VHF society and the Taylorsville Radio Club. James wants to be active in the local area of amateur radio.

Another hobby James enjoys is working with

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, 699 E. South Temple STE 100, Salt Lake City, UT 84102-1282. Periodicals Postage Paid at Salt Lake City, Utah. POSTMASTER: Send Address changes to *The Microvolt*, c/o Dick Keddington, 5474 Hews Place, Taylorsville, UT 84129-1416.

computers. He is very active in Linux. James also enjoys photography.

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



James Payne, N5TEH
(Photo thanks to Ron Speirs, K7RLS)