

# TERAC NEWSLETTER

(TEchnology Radio Amateur Club)

---

## TERAC Meeting:

- Time: **Thursday September 8, 2011, 7:30PM**
- Talk-In: 443.65 MHz Simplex  
(Non-members welcome)

TVF&R fire station #51, 8935 SW Burnham Street (between Hall and Main) Tigard, Oregon

## Baluns Roy Lewallen, W7EL

Our old friend Roy Lewallen has agreed to give us another presentation, this time on baluns at the September meeting. Roy worked as a design engineer for many years at Tektronix before leaving and developing EZNEC <http://www.eznec.com/> antenna software. He has written several articles for QST on subjects including baluns, power meters, QRP and antennas. Roy also has made presentations at hamfests in the USA and Europe.

Gene, K7IUN

### Pre-Meeting Dinner

Several of us will be getting together for dinner at Max's Fanno Creek Pub at 6 PM. The address is 12562 SW Main St. # 100, Tigard, 503.624.9400

## FROM THE DESK

### (keyboard?) of the President

Thanks to Russell Senior for the great presentation at the May meeting. The E-field calculations of a person near a high voltage tower were very interesting! They have caused us to take a closer look at the risks involved with climbing high voltage towers! Thanks Russell, we enjoyed this presentation very much. This is the first meeting after the summer shutdown. Welcome back everyone! This month Gene has booked us a very interesting program! Roy (W7EL) is always an outstanding speaker. See the program write up elsewhere in this issue for the details.

Roger, W7ADV

### **Aerocibo Lunar Radar Project**

In connection with prospective future 430-MHz lunar radar work at the observatory, I'd like to build a short notification list.

Can you suggest a few names of people in your area who might be interested in trying to catch some echoes? The signals will probably involve bandwidths of up to roughly 1 MHz, so it may not be trivial to do this with small antennas. Our actual transmit power would typically be in the neighborhood of 1-2 MW, with a beam size moderately smaller than the moon. We transmit circular polarization (sorry, I don't know which sense at the moment).

This is a wholly off-the-cuff effort on my part. As each case arises, I would secure permission from the principal investigator to release the information before notifying the members of the list. What I would appreciate receiving in return are any of the following:

> Reports of success, with estimations of antenna gain and receiver noise performance used.

> Audio or (better yet) IQ digital .wav recordings of received signals

Thanks much,

**Dana Whitlow K8YUM**  
**Microwave Receiver Specialist**  
**Arecibo Observatory**  
(you can contact Dana through [K7AUO@ARRL.NET](mailto:K7AUO@ARRL.NET))

### **K7AUO ON THE AIR - - HF**

Since the last newsletter, K7AUO hence TERAC, has been on the air for two operating events: 7QP and Field day. When someone asked me in advance what call we would be using, I said K7AUO. The response was that he thought that was just a repeater call. Well, it is the club call and it is used

for both. Admittedly HF has been rare in recent times.

In May we operated in the 7QP (7<sup>th</sup> area QSO party). For details on what 7QP is check:

<http://www.codxc.org/new/page.asp?content=dryland7s>

Some of our friends at OTVARC advise, that to win a category, one needs to pick a rare one. We did just that! This is a county focused event. We put Gilliam County on the air. See the write-up on the TERAC web site for details on our operation near Condon, Oregon.

<http://terac.org/>

We received a couple of certificates for our "big win." They were sent to me as email attachments. I'll print them out and bring them to the meeting.

In June K7AUO was back at it for Field Day. I think more folks are familiar with FD than 7QP. Unlike 7QP, FD is an ARRL sponsored event. FD is one of the most popular, if not the most popular, operating events on the calendar. Many people, especially the ARRL, insist that FD is not a contest. In any case we keep score, there are rules, and the rules can be found on the ARRL web site: under contests! For more information check the ARRL web site:

<http://www.arrl.org/>

As we have for several years, we operated from Chuck Barrow's cabin at Ocean Park Washington. This puts us in the WWA section which confuses some people who recognize K7AUO and expect OR.

Participating were; Chuck, K7BVT; Blaine, W7JHJ, Bob, W7BKN; and Merla Smith. The FD rules define anyone who shows up at the site as a participant. The guys with calls did the operating. Merla helped setup, take down and, as she did for 7QP, provided us with some great food. I turned in our entry as having four participants. I hope it was OK to exclude the two dogs!

**Bob, W7BKN**

<b>OFFICERS</b>		(503)
President	Roger McCoy W7ADV <a href="mailto:Roger.mccoy@veris.com">Roger.mccoy@veris.com</a>	799-0584
Vice Pres.	Bob Jenkins W7BKN <a href="mailto:w7bkn@frontier.com">w7bkn@frontier.com</a>	649-3671
Secretary	Bill DeVey W7MMW <a href="mailto:billdevey@frontier.com">billdevey@frontier.com</a>	466-2192
Treasurer	Richard Stack K7TTK <a href="mailto:dstack@att.net">dstack@att.net</a>	639-4537
Emer. Svcs	Roger McCoy W7ADV <a href="mailto:Roger.mccoy@veris.com">Roger.mccoy@veris.com</a>	799-0584
Communication	Chuck Barrows K7BVT <a href="mailto:Barrows4967@msn.com">Barrows4967@msn.com</a>	244-4967
Trustee	Tom Hill WA3RMX <a href="mailto:TomHill@EasyStreet.net">TomHill@EasyStreet.net</a>	645-3671
Board Member	Gene Single K7IUN <a href="mailto:epsingle1@frontier.com">epsingle1@frontier.com</a>	644-0807
Board Member	Ken Rosenzweig WA7BGF <a href="mailto:kjrent@easystreet.net">kjrent@easystreet.net</a>	649-7221
Board Member	Randy Dawson KF7CJW <a href="mailto:rdawson16@hotmail.com">rdawson16@hotmail.com</a>	352-4612

The TERAC Newsletter is emailed monthly to members and friends of TERAC. Meetings are normally held on the second Thursday of the month at 7:30 PM

## . Upcoming Hamfairs & Events

**Plano Balloon Festival Sept 16 – 18**  
[www.k5prk.net/](http://www.k5prk.net/)

**Spokane Hamfest Sept 24**  
<http://spokanehamfest.com/>

**Swap-Tober-Fest Oct 22**  
<http://www.swaptoberfest.net/>

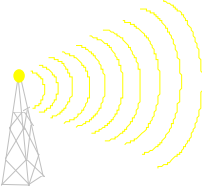
## MEMBERS

As of 22 August 2011

Richard Ballard W7AND	Chuck Barrows K7BVT	Doug Barton
Dennis Berkheiser K9HSX	Phil Crosby	Joseph Curtin AE7LD
Randy Dawson KF7CJW	Bill DeVey W7MMW	Chuck Forsberg WA7KGX
Stan Griffiths W7NI	Tom Hill WA3RMX	John Horn AC7WS
Bob Jenkins W7BKN	Ben Johnson N7OGM	Deane Kidd W7TYR
Ronald Kinder K7VMN	Victor Kong	Pete Lancashire
Guy Lewis N2GL	Roger McCoy W7ADV	Stu McNaughton K7VGQ
Bernie Miller WA7MCR	Don Miller KD7MLF	Gordon Moyle
Glenn Pelikan K7GWP	Dick Pooley W7HUY *	Ken Rosenzweig WA7BGF
Bob Rullman W1SNR	Thomas Rousseau K7PJT	Gene Single K7IUN *
Blaine Smith W 7JHJ	Richard Stack K7TKK	Rich Turner K7TKX
Ralph Ulrich K7UVK*	* = Life Member	

Month	Board Mtg.	Club Mtg.	Club Meeting Notes
SEP		8-Sep-11	Baluns, Roy W7EL
OCT		13-Oct-11	SFN, Charlie Rhodes
NOV		10-Nov-11	
DEC		10-Dec-11	Puerto Rico, Roger McCoy
JAN		12-Jan-12	
FEB		9-Feb-12	
MAR		8-Mar-12	
APR		10-Apr-12	
MAY		10-May-12	

# Application

<p><b>TERAC, Inc.</b></p>  <p>Please complete and return with payment to: TERAC, Inc., PO Box 5761, Aloha, Or 97006-0761</p>		
Name:		Call:
Address:		
City:	State:	Zip:
Home Phone: Unlisted: <input type="radio"/>		Work Phone:
E-mail Address:		
License Class:	ARRL Member: Yes <input type="radio"/> No <input type="radio"/>	Emergency Service: Yes <input type="radio"/> No <input type="radio"/>
Membership Class: <input type="radio"/> Full (currently licensed) \$14 <input type="radio"/> Associate (not licensed) \$14		