

K7AUO K7AUO/R 443.650 MHz May 2011

K7AUO@ARRL.NET WWW.TERAC.ORG

TERAC NEWSLETTER

(TEchnology Radio Amateur Club)

TERAC Meeting:

- Time: **Thursday May 12, 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

Review of a Study that Calculated Electric Fields in the Vicinity of a Transmission Line Tower for Estimating Hazards Due to Contact Currents Russell Senior

The electric fields were calculated using a Monte. Starting with a point of interest, a series of random walks are performed until the walk ends on a conductor. The average of the voltages of the ending points of all the random walks is an estimate of the space charge of the starting point. Since each random walk is independent, the algorithm is what is known in Computer Science as "Embarrassingly Parallel". The simulation was run on about 20 machines running simultaneously, distributed over the internet, and could compute about 10 million random walks in roughly 2 minutes (it varied with the complexity of the tower geometry). A humanoid

"Stick Man" model was developed to estimate the volume-weighted distribution of a person climbing a tower.

Russel has been an independent contractor specializing in evaluating hazards electric field hazards since 2003.

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 Russel Senior a very interesting presentation on the Personal TELCO project at the April meeting. Russel will be back for the May meeting to give us a presentation on calculating field strengths near power lines. This will be the last meeting before our summer break. Don't forget the Fanno Creek Pub for dinner before the meeting. (A word of information: The Happy Hour on adult beverages is over at 6:00PM and normally Happy Hour prices are only available for a particular management selected beverage. **Roger, W7ADV**

Dana Whitlow's, K8YUM, Dayton Presentation, "Noise at Arecibo- it's not just the Coqui"

Former TERAC member K8YUM will be making a presentation at Dayton this year

<http://www.qsl.net/kb8vao/DAYTON%20HAMVENTION%202011.htm> .

Hopefully Dana will repeat the presentation for us the next time he is in Oregon. **Chuck K7BVT**

LightSquared

The FCC has really done it! (Again). Please write your congress people on this.

<http://co113w.col113.mail.live.com/default.aspx?wa=wsignin1.0>

Charlie Rhodes

TERAC 7QP Operation

Several of us will be operating from the historic Condon Air Station <http://www.angelfire.com/ri2/acandw/> for the upcoming 7QP contest.

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

Contact Bob W7BKN or Chuck K7BVT if you would like to join us. If you can't join us fire up your rig and give us a contact, we will be operating on 10 through 80 meters. **Chuck K7BVT**

OFFICERS		(503)
President	Roger McCoy W7ADV Roger.mccoy@veris.com	799-0584
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Board Member	Ken Rosenzweig WA7BGF kjrent@easystreet.net	649-7221
Board Member	Randy Dawson KF7CJW rdawson16@hotmail.com	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

**EmComm West. Reno, Nevada
6 May 2011**

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

**NW Vintage Radio Society Spring Swap
Meet, May 14.**

http://www.nwvrs.org/swap_meets.html

SEA-PAC, 3 June 2011

<http://www.seapac.org>

KARS North Idaho Hamfest, June 11

<http://www.kg7hq.wetnet.net/node/177>

MEMBERS

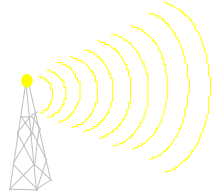
As of 26 April 2011

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	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*
Updated 3-16-2011		* = Life Member

Month	Board Mtg.	Club Mtg.	Club Meeting Notes
MAY		12-May-11	E&H Field Exp., R. Senior
SEP		8-Sep-11	Baluns, Roy W7EL
OCT		13-Oct-11	SFN, Charlie Rhodes
NOV		10-Nov-11	
DEC		TBD	Christmas dinner
JAN		12-Jan-12	
FEB		9-Feb-12	
MAR		8-Mar-12	
APR		10_mar-12	

Application

TERAC, Inc.



Please complete and return with payment to:
TERAC, Inc., PO Box 5761, Aloha, Or 97006-0761

Name:		Call:	
Address:			
City:		State:	Zip:
Home Phone:		Work Phone:	
Unlisted: <input type="radio"/>	E-mail Address:		
License Class:	ARRL Member:	Emergency Service:	
	Yes <input type="radio"/> No <input type="radio"/>	Yes <input type="radio"/> No <input type="radio"/>	
Membership Class:			
<input type="radio"/> Full	(currently licensed)	\$14	
<input type="radio"/> Associate	(not licensed)	\$14	