

TERAC NEWSLETTER

(TEchnology Radio Amateur Club)

TERAC Meeting:

- **Time:** Jan 14, 2010, 7:30PM
- **Place:** TVF&R Training Building
20665 SW Blanton St.
Aloha, OR
- **Talk-In:** 443.65 MHz Simplex
(Non-members welcome)

Meeting Thursday, Jan. 14th

Speaker: Keith Lofstrom (NC)

Topic: "Server-Sky: Solar powered server and communication arrays in Earth Orbit"

Abstract: Server-Sky is a proposal to build large dispersed arrays of 7 gram paper-thin solar-powered computer satellites and launch them into 6400 km earth orbit.

Arrays act as large parallel computers, as well as sparse phased-array antennas, transmitting thousands of communication beams simultaneously to ground receivers and other arrays in space.

Server-Sat arrays use unlimited space solar power, and operate outside the biosphere. The environmental impact of power generation and heat disposal is tiny. Other surprising biological effects will need study. Earth can return to

what it is good at - green and growing things - while space can be filled with gray and computing things.

Speaker Bio: Keith Lofstrom is a mixed-signal integrated circuit designer in Beaverton, OR. He graduated with an MSEE from UC Berkley in 1974, and worked in the Integrated Circuit Operation at Tektronix between 1971 and 1989. He is CEO of SiidTech, which licenses silicon identification technology. He is active in the open source community, has worked with the Personal Telco Project (community WiFi), and has a special interest in low power, high efficiency computing.

FROM THE DESK (KEYBOARD?) OF THE PRES

The slate of candidates for the officers and board members was unanimously reelected at the annual meeting in November.

Thanks to Prof emeritus John Dash from PSU for his program on cold fusion.

Who knows, maybe our kids will be running their HT's on cold fusion packs!

Gene has another far reaching program for us. This time on a major jump in satellite technology! See the write-up elsewhere in this issue.

All had a good time at our annual Christmas dinner in December

See you at the dinner and the meeting

Roger, W7ADV

Elected TERAC Officers and Board Members for 2010

Pres: Roger McCoy W7ADV

Vice Pres: Gene Single K7IUN

Secretary: Ken Rosenzweig
WA7BGF

Treasurer: Richard Stack K7TKK

Emer. Services: Roger McCoy
W7ADV

Communications: Lynn Hurd
WB7UNU

Board Member: Chuck Barrows
K7BVT

Board Member: Bob Jenkens
W7BKN

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

		(503)
OFFICERS		
President	Roger McCoy W7ADV roger.mccoy@veris.com	799-0584
Vice Pres.	Gene Single K7IUN epsingle1@verizon.net	644-0807
Secretary	Ken Rosenzweig WA7BGF kirent@easystreet.net	649-7221
Treasurer	Richard Stack K7TTK rwstack@att.net	503-639-4537
Emer. Svcs	Roger McCoy W7ADV roger.mccoy@veris.com	799-0584
Communication	Lynn Hurd WB7UNU lhurd@pacifier.com	624-1999
Trustee	Tom Hill WA3RMX TomHill@EasyStreet.net	645-3671
Board Member	Bob Jenkins W7BKN w7bkn@verizon.net	530-7348
Board Member	Chuck Barrows K7BVT barrows4967@msn.com	244-4967

DUES REMINDER

It's that time of the year again when TERAC dues are due.

The annual dues of \$14.00 is used to cover the necessary expenses of Insurance required by the Fire Department meeting room we use, Oregon Non-Profit Corporation fee and Post Office box rental. Those expenses

were \$433.52 for 2009. Dues income from 26 paying members was \$364. Donations to the ARRL and some Honorariums to guest speakers were additional expenses. The difference has been made up from the sale of Club equipment during the last 2 years. Going forward the only expected income will be from dues and interest on savings. Please check the membership table at the end of newsletter and if your name isn't there send in a check!

Richard Stack, K7TKK, Treasurer

Future Meetings

11 Feb '10 meeting:

Speaker: Grant Moyle (NC)

Topic: "Computer Security"

Grant is the son of Gordon Moyle (NC), who is a regular attendee of TERAC meetings.

11 Mar '10 meeting (tentative):

Speaker: Barrie Gilbert (NC)

Topic: "Interesting Old Tubes"
(with demos)

Gene, K7IUN

2009 CHRISTMAS DINNER

Twenty nine attended the Christmas dinner this year. Everyone seemed to have a good time, the food was good and Gene Single and wife provided a good presentation on their trip to Alaska. Thanks to Naomi Ballard for helping with the reservations and to all that came.

Ken R. WA7BGF

FOR SALE/WANTED

TERAC members can place one free add per month in the newsletter. Non-members can place add for \$2 per month.

The **Northwest Hams Swap-N-Shop** webpage is up and available again! Ron, N7TAW, has rebuilt the website so that northwest amateurs can post ham-related items that are wanted, for-sale, for-trade, or free.
<http://www.nwhams.com>

Oregon Cell Phone Bill

Hello everyone. I hope you are having a good new year.

There are a lot of discussions going on right now about the cell phone bill that went into effect on January 1. Some people are looking at the original bill passed by the house so I wanted to send out a message to everyone about this. Please distribute to your clubs and ARES units.

I recommend that you keep a copy of the bill in your vehicle along with your wallet-sized ham radio license.

I really want to thank Senator Morrisette for his help in making sure this happened. He worked with Jim, KI7AY, to submit amendments to the bill. He also attended the committee meeting, spoke in favor of the bill and introduced Jim and me so we could speak. It is very valuable to have a legislature member do this since the committee invites them to speak first. This allowed ham radio to

be represented at the beginning of the meeting. A number of other ham radio operators attended and spoke as well, representing us well.

The engrossed version of the bill can be found at:

<http://www.leg.state.or.us/09reg/measure/hb2300.dir/hb2377.en.html>

The relevant sections are towards the bottom of page 1 and near the top of page 2:

(3) This section does not apply:

(i) To a person who holds a valid amateur radio operator license issued or any other license issued by the Federal Communications Commission and is operating an amateur radio;

The following paragraph (j) also exempts CB and FRS radios.

Bonnie Altus, AB7ZQ, ab7zq@arrl.org
ARRL Oregon Section Manager

Upcoming Hamfairs & Events

February 20, 2010

Salem Hamfair

Rickreall, OR

<http://www.w7sra.com/>

March 6, 2010

Mike & Key Swap Meet

Puyallup, WA

<http://www.mikeandkey.org/index.html>

April 11, 2010

Yakima Hamfest

Yakima, WA

<http://w7aq.org>

June 4-6, 2010

SeaPac Hamfest

Seaside, OR

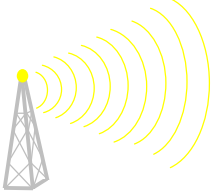
www.seapac.org

MEMBERS as of January 1, 2010

Richard Ballard W7AND	Chuck Barrows K7BVT	Doug Barton
Bob Jenkins W7BKN	Deane Kidd W7TYR	Roger McCoy W7ADV
Bernie Miller WA7MCR	Glenn Pelikan K7GWP	Dick Pooley W7HUY *
Ken Rosenzweig WA7BGF	Blaine Smith W7JHJ	Robert Rullman W1SN
Gene Single K7IUN *	Richard Stack K7TKK	Ralph Ulrich K7UVK *
* = Life Member		

Month	Board Mtg.	Club Mtg.	Club Meeting Notes
JAN		14-Jan-10	
FEB	1-Feb-10	11-Feb-10	
MAR	1-Mar-10	11-Mar-10	
APR	29-Mar-10	8-Apr-10	
MAY	3-May-10	13-May-10	
			Summer Break

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	