TERAC NEWSLETTER

(TEchnology Radio Amateur Club)

May 2013

K7AUO@ARRL.NET •••• WWW.TERAC.ORG

Meeting and dinner now at same location
Meeting Time: Thursday May 9 th, 2013, 7:30PM
Talk-In: 443.65 MHz Simplex
Max's Fanno Creek Pub, 12562 SW Main St. #100, Tigard, Oregon

May Speaker

Allen Burrell, KI7RM, on JT-65

May Meeting

Allen was first licensed in 1978 as KN7AAU and upgraded to General in 1979, becoming KA7AAU. He had some years of work and kids resulting in relative inactivity. Many of us can relate to that!

Allen has a background in construction engineering with a degree from Oregon State University. He has also has a degree in Science Education from Portland State University. He taught science, primarily chemistry, at Beaverton High School for twenty-two years, and retired in 2008 allowing for a return to active Ham Radio. His current ham activities are mainly the digital modes, primarily JT-65 and PSK-31. He will be speaking on JT-65, the fastest growing of the digital modes.

In 1993 Allen received his advanced class license becoming KI7RM. He ran an Amateur Radio club at Beaverton High School at the insistence of his students there.

Allen does have a few other activities that bite into his ham radio time. Last summer he completed a bicycle trip across the US. In addition to cycling, he also enjoys other outdoor activities such as skiing (downhill and cross-country), snowshoeing, backpacking/hiking, and kayaking.

Pre-Meeting Dinner

Join us at 6 PM in the gathering room of the pub for the pre-meeting no-host dinner.

Ponderings from the President

May 2013

Firstly, I wish to thank Bonnie Altus, AB7ZQ, Oregon Section Manager for updating us on the latest developments at ARRL at the TERAC April meeting. She covered both national and regional issues.

The May meeting will feature Allen Burrell, KI7RM speaking on his HF activity using the JT65 digital mode. JT65 is one of the more recent narrow bandwidth weak signal digital modes. JT65 originally was developed for moon bounce activity, but has taken on a new life on the HF bands. Allen has achieved Worked All States on this mode, and will share with us the practical details of this mode.

I try to pass along information about technologies which aren't amateur radio, but have some relationship to ham radio, and may not appear in the ham journals. One of these things was described in the April issue of IEEE Spectrum. The complete article may be found at the link below. . For several years scientists have experimented with stimulating peripheral nerves of patients who have nerve damage which prevents them from getting use of their limbs. The new scheme for stimulating nerves involves inserting small wireless stimulators into the muscle tissue of the patients. This gets rid of the impractical cable harness used with previous systems. Wireless comes in the form of a low power unlicensed frequency hopping setup to communicate back to the system controller. The controller is shown as a small box that could be worn on a belt. A patient may have many of these wireless stimulators, but they time share on the same radio channel. If the system experiences radio interference, it hops to a new channel. The developers have proposed using four sub bands in the band from 413 MHz to 451.2 MHz and are negotiating with the military, which as we know has primary rights to that band. Amateurs have 420MHz to 450MHz on a secondary basis, and the stimulators are proposed to have two sub bands within the amateur band. Theoretically, the signals will be very weak and will auto QSY if they encounter an amateur signal, but there may be some impact to weak signal communications. The authors of the article put a lot of effort into making their system compatible with the military uses. It will be interesting to see how this plays out. I expect to see something about the new spectrum use soon in the ham magazines.

Link for above article:
http://spectrum.ieee.org/telecom/wireless/peaceful-coexistence-on-the-radio-spectrum

2013 Renewals Received as of 2013 3-19 (No Change April 2013)

Richard Ballard W7AND	Chuck Barrows K7BVT	Dennis Berkheiser K9HSX	Robert Broughton KK7RB
John Bucsek KE7WNB	Phil Crosby W7PYX	Davidson Corry N7DAI	Joe Curtin AE7LD
Bill DeVey W7MMW	Randall Elliot NW1S	Chuck Forsberg WA7KGX	Stan Griffiths W7NI
Bob Jenkins W7BKN	Ronald Kinder K7VMN	Deane E. Kidd W7TYR	Keith Lofstrom
Roger McCoy W7ADV	Bernie Miller WA7MCR	Don Miller KD7MLF	Gordon Moyle W7NZL
Glenn Pelikan K7GWP	Dick Pooley * W7HUY	Thomas Rousseau K7PJT	Bob Rullman W1SNR
Gene Single * K7IUN	Blaine Smith W7JHJ	Richard Stack K7TKK	Ralph Ulrich * K7UVK

*is for life members

TERAC dues are based on the Calendar year due Jan 1. If your name is not on the above list I have no record of receiving your 2013 dues. Let me know if I am in error. Richard Stack, TERAC Treasurer.

We are **STILL** down a few from last year, so if you need a membership application, go to:

http://terac.org/wp-content/uploads/2010/12/MEMBERSHIP-APPLICATION-2.pdf

Some Upcoming Events

Our friends at OTVARC meet on the third Thursday of the month. Check their website:
http://www.otvarc.org/

To find their newsletter click on 'The OCILLATOR" on the left side of their website home page.

Seapac May 31 to June 2
http://www.seapac.org

7QP

http://ws7n.net/7QP/new/page.asp?content=start

The operating event is Saturday, May 4. The TERAC crew leaves for Gilliam county Thursday morning. Check our site
http://terac.org/

Field Day

http://www.arrl.org/field-day

TERAC SUMMER HIATUS

On the next page is our schedule as we have it now. As you can see there are blanks and TBD's. Any inputs will be appreciated. After May we will be taking a break from meetings and newsletters until September.

See you at the May meeting and at SeaPac in June (well mostly, actually it starts May 31).

73's Bob, W7BKN

Club Calendar

Month	Board Mtg.	Club Mtg.	Club Meeting Notes
MAY		9-May-13	Allen Burrell, KI7RM
JUN		**SUMMER BREAK**	
JUL			
AUG			
SPT		12-Sep-13-	Russell Gubele
OCT		10-Oct-13	
NOV		14-Nov-13	Annual Meeting
DEC		TBD	Dinner Meeting
JAN		9-Jan--14	
FEB		13-Feb-14	
MAR		13-Mar- 14	
APR		10-Apr 14	