



## President's Notes, December 2012

I begin these notes on December 2, the day of the last hamfest of the year in the metro Detroit area, that being the L'Anse Creuse swap. I wasn't looking for anything in particular, so I didn't make the trip over there this year. It's not a trivial trip for those on the west side of town, like most of us are. Still, it's been a good swap in the past, and I hope it did well enough today to continue next year and many years to come. And don't forget about the first swap of the area in the new year, Hazel Park's swap in January.

As I type these notes, it seems doubtful that we'll be doing the Speaking with Santa at Mott Children's Hospital. We missed last year because the hospital was busy moving into its new facility. That move is complete, yet so far Bill Boyke, N8OZV, has been unable to get permission to operate in the new facility. Developments will be announced on the club mailing list. I hope we'll be able to continue the tradition, if not this year, then next.

Preparations have already started for next year's Field Day. LARC has been scouting new locations in anticipation of our losing access to the field behind the fire station. Nothing is confirmed yet, but a prime candidate location has been identified. It's a mile and a half north of the fire station, on Lyndon a quarter-mile west of Newburgh on the site of the old Webster Elementary School. It's a very large open field with a number of tall trees that can be used to hoist antennas. It looks to be an ideal location in a safe neighborhood; now to seek permission from Livonia Public Schools to operate there. And I know that work for next year's Maker Faire exhibit will be starting soon, if it hasn't already.

Last month's presentation by Rich, K8RMM, on the Raspberry Pi was very interesting. It inspired me to order my own, in fact. Right after the meeting, I sent out the key links that Rich had used in his presentation. In case you missed them or didn't keep the e-mail, I've sent them in to be included in the newsletter, and I've added some more of my own.

This being December, we won't have a regular meeting this month. Instead, we will have our annual holiday dinner at Mexican Fiesta (Ford Road west of Telegraph) on our usual meeting day (Thursday December 13) at our usual time (6:30 PM). I hope to see you all there.

And finally, I'd like to wish everyone in the club a Merry Christmas and a Happy New Year, not to mention a Happy Hanukkah and any other holiday taking place this month.

73,  
Roger, KD8CSE



## Ford Amateur Radio League (AKA: The Tin Lizzy Club) Club Meeting Minutes – November 08, 2012

### Minutes, FARL Club Meeting - Nov. 8<sup>th</sup>, 2012

Meeting was called to order by Roger, KD8CSE  
at 18:41 (6:41p.m.)  
7 members were present. (With a brief phone call to Bill, N8OZV)

**Minutes from prior meeting:** Prior minutes from October were reviewed and approved.

**Treasurers Report:** Pat, WD8JDZ read the report. Motion to accept as read. It was approved as read.

**Board of Directors Meeting:** No B.O.D. meeting

### Committee Reports:

**Repeaters:** Thanks to Murray for the repair to the 2 mtr repeater.  
The Hyatt has changed management affiliation and is making serious plans to buy the hotel. As of now, we have not heard of having to move.  
The 2 mtr is operating good, The 440 is operating weak, (has broken antenna).  
The 220 is operating.  
Dave, N8HKU still has phone patch operating instructions if needed.  
[Don't forget the Sunday Night Net @ 8p.m.](#)

**Education and Training:** There will be testing at Ford, contact Bill, N8OZV for more info.

**Communication - Newsletter/Website:** No new information on the newsletter or website. If you have a story or info for the newsletter, please contact Dave, N8HKU.

**Historian:** Nothing new

**Equipment Inventory:** Up to date

**FERA:** No new business

**Unfinished/Current Business:** Nothing new.

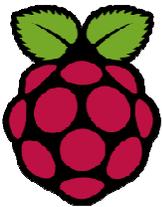
**New Business:** Bill Boyke, N8OZV was on the phone talking about "Speaking with Santa". Still need to check with the hospital and scout the area, if approved, to see how the new building will interfere with radio operations.

Christmas Dinner will be held at Mexican Fiesta on Dec. 13<sup>th</sup> at 6:30 p.m.  
Please contact Roger, KD8CSE or Dave, N8HKU if you are attending so we can plan.

**Break:** 18:59 (6:59p.m.)

**Presentation:** Raspberry Pi mini computer by Rich K8RMM.

The meeting was adjourned at 20:00 (8:00 p.m.)



## Links from Raspberry Pi Presentation

Roger Reini, KD8CSE

Links used by Rich, K8RMM, in his presentation on the Raspberry Pi computer system at the club meeting in November.

- <https://www.youtube.com/watch?v=mfCdWRsf8MM>
- [http://en.wikipedia.org/wiki/Raspberry\\_Pi](http://en.wikipedia.org/wiki/Raspberry_Pi)
- <http://www.raspberrypi.org>
- [http://groups.yahoo.com/group/Raspberry\\_Pi\\_4-Ham\\_RADIO/](http://groups.yahoo.com/group/Raspberry_Pi_4-Ham_RADIO/)
- <http://ag1le.blogspot.com/p/raspberry-pi.html>
- <http://gpredict.oz9aec.net>
- <http://www.makeuseof.com/tag/8-interesting-diy-raspberry-pi-case-ideas/>
- [http://www.collegearc.com/index.php?option=com\\_content&view=article&id=185:ec\\_holink-on-linux&catid=77:technical](http://www.collegearc.com/index.php?option=com_content&view=article&id=185:ec_holink-on-linux&catid=77:technical)
- <http://www.themagpi.com> - A magazine for Raspberry Pi users, free to read online
- <http://www.raspbian.org/FrontPage> - Home to the main operating system used with the Raspberry Pi



## **ARRL Michigan Clubs PRB-1 Alert**

Larry, WB8R, Michigan Section Manager

December 8, 2012

Greetings to all Michigan Hams

This is a special alert for all Michigan hams concerning our ongoing PRB-1 effort in Michigan.

I have good news to report in that after a Senate Hearing on December 5, based on a 3 – 0 vote, SB1244 was passed and is moving onto the Senate Floor. This means that on December 11, our bill may be voted on by the Senate. If we are successful there, the bill will move to the House, and if successful there as well, it could end up on the Governors' desk for his signature.

I am asking each Michigan ham to act now and visit <http://www.miarrlprb1.org/> which is our PRB-1 website and click on the "Update Alert" tab to read the notes from Wednesday's Senate Committee Hearing. Please download the "sample" letter available by clicking on the "What Can I Do?" tab. Simply fill in your senator's name, add your name and address at the bottom and email to your senator. There is no need to add anything to the letter.

You can find your senator's email address by clicking on the "Find Your Senator" tab. Some senators have a direct email listed, others may have a form email where you may have to cut and paste your letter into their form. Please send a copy to [wb8r@arrl.org](mailto:wb8r@arrl.org) so we can see how much of the "market" we are covering and we can send a copy to any senators who do not get a letter from a constituent. For those that use an email form, please send a note directly to me at [wb8r@arrl.org](mailto:wb8r@arrl.org) telling me which senator you sent the letter to and that you used an email form.

There is a possibility that our bill may time out if it is not possible to get the process completed by the end of the legislative session. Not to worry. We will start all over again in January and already have our primary sponsor lined up. We have some good support in the Senate and we feel that we are in good shape.

Thank you in advance for your fine assistance. This is an important issue and we need to blanket the Senate with our letters.



## **FCC Seeks to Assign Entire Amateur Portion of 160 Meter Band to Primary Status to Amateur Radio Service, Proposes New LF Amateur Band at 135.7-137.8 kHz - ARRL**

On Tuesday, November 20, the FCC released a *Notice of Proposed Rulemaking* ([ET Docket No. 12-338](#)) ([http://transition.fcc.gov/Daily\\_Releases/Daily\\_Business/2012/db1119/FCC-12-140A1.pdf](http://transition.fcc.gov/Daily_Releases/Daily_Business/2012/db1119/FCC-12-140A1.pdf)) that proposes to amend Parts 1, 2, 74, 78, 87, 90 and 97 of the Commission's rules. [Part 97](#) governs the Amateur Radio Service. These changes will implement allocation decisions from the 2007 World Radio communication Conference (WRC-07) that concern those portions of the radio frequency spectrum between 108 MHz and 20.2 GHz and make certain updates to the rules in this frequency range.

Most of the *NPRM* does not concern the Amateur Radio Service, but the FCC is requesting comments on the three parts that do: changing the allocation to the amateur portion of the 160 meter band, allocating a new Amateur Service band at 135.7-137.8 kHz and cleaning up the rules for the 10.0-10.5 GHz band. Comments on these proposed rules changes will be accepted until 60 days after the *NPRM* is published in the [Federal Register](#) (<https://www.federalregister.gov/>) (this can take up to six weeks after release of the *NPRM*). Reply comments will be accepted until 90 days after publication in the *Federal Register*.

### **Allocation Changes to 160 Meter Band**

The FCC is proposing to change the Amateur Radio Service allocation to the 160 meter band (1800-2000 kHz), reallocating the 1900-2000 kHz segment to the Amateur Radio Service on a primary basis. In the *NPRM*, the FCC noted that "the ARRL has identified the 160 meter band and the amateur HF bands as '[b]y far, the heaviest-used [Amateur Service] allocations.'"

The FCC stated that "[t]he purpose of allocating this band [1900-2000 kHz] to the Radiolocation Service was to provide reaccommodation spectrum for radiolocation users that will have to move out of the 1605-1705 kHz band when AM broadcasting is implemented in that band." The AM broadcasting proceeding was resolved in 2000, and a review of the FCC's Universal Licensing System (ULS) database finds that no one is licensed to use this non-federal Radiolocation Service allocation.

### **New Amateur Service Band at 135.7-137.8 kHz**

In the US, the 130-160 kHz portion of spectrum is allocated to the Fixed Service and the Maritime Mobile Service on a primary basis for both federal and non-federal use. Delegates at WRC-07 allocated 135.7-137.8 kHz to the Amateur Radio Service in all ITU Regions on a secondary basis. Delegates also chose to restrict the use of this low frequency allocation to

those Amateur Radio stations transmitting with a maximum equivalent isotropically radiated power (EIRP) of 1 W, as set forth in RR 5.67A.

Now that 135.7-137.8 kHz is now allocated internationally to the Amateur Radio Service on a secondary basis in all ITU Regions, the FCC has concluded that “it is an appropriate time to re-examine the potential for shared Amateur Service-PLC use of this band.” It stated in the *NPRM* that it is seeking comments on whether 135.7-137.8 kHz band should be allocated to the Amateur Service on a secondary basis in accordance with RR 5.67A.

In addition, the FCC stated that is looking for comments on the whether the concept of requiring individual amateur stations to be “quasi-coordinated” for fixed use at a specific location still holds merit. The FCC did not pursue this option in 2003. “Are there other steps, such as limiting operating privileges in this frequency band (e.g., to Amateur Extra Class licensees) that would better facilitate amateur use of the band?” the FCC asked. “We also seek comment on the relevance of studies that discuss the potential for in-band Amateur Service radio transmitters to operate compatibly with PLC systems in light of any developments since our 2003 decision. In particular, we seek comment on the appropriate maximum field strength level and minimum separation distance from PLC systems for secondary Amateur Service operations in this band.”

### **Cleaning Up the 10.0-10.5 GHz Band Rules**

With the concurrence of the National Telecommunications and Information Administration ([NTIA](http://www.ntia.doc.gov/)) (<http://www.ntia.doc.gov/>), the FCC proposes to amend the Federal Table by revising the “10-10.45” GHz band and the reference to “G2” to read “10-10.5” and “G32,” respectively. In the WRC-07 Table Clean-up Order, the FCC combined the 10-10.45 GHz and 10.45-10.5 GHz bands in the Federal Table. In doing so, the frequency band was inadvertently not changed to 10-10.5 GHz. In addition, the reference to G32 was mistakenly changed to G2.

The FCC will also revise the text of three footnotes (US58, NG42, NG134) that pertain to the 10-10.5 GHz band. First, it will revise US58 by adding the existing Amateur-Satellite Service allocation to the list of permitted non-federal services in the 10-10.5 GHz band so that this footnote correctly lists all permitted non-federal services, and it will renumber this footnote in frequency order as US128. Second, it will combine the text of NG42 and NG134 (which require that non-federal stations in the Radiolocation Service not cause harmful interference to the Amateur Service in the 10-10.5 GHz band and that these stations not cause harmful interference to the Amateur-Satellite Service in the 10.45-10.5 GHz sub-band, respectively) and renumber the new footnote in frequency order as NG50.



## Club Repeater Information

The Ford Amateur Radio League operates 3 club repeaters under the club K8UTT license. All the repeaters are located in the Dearborn, MI area near the Southfield Freeway. All repeaters are open for members and guests to operate.

Repeater	Output Freq	Input Freq	Tone
2 M Repeater	145.270	-600 KHz	100 Hz PL
1 1/4 M Repeater	224.520	-1.6 MHz	100 Hz PL
70 cm Repeater	443.425	+5 MHz	107.2 PL

**Club Net: 8pm on Sunday, 2 and 1-1/4 Meter Repeaters!**



## Classes and Exams

The following amateur radio clubs conduct license exams throughout the year. Many clubs allow walk-ins but pre-registration will insure an exam is available for you when you attend.

Club Name	Contact Person	Phone	Email
Ford Amateur Radio League	Bill Boyke	313-805-8877	wboyke@ford.com
South Lyon ARC	Christian Anderson	248-437-3088	K8VJ@arr.net
Motor City ARC	Don Novak	734-281-7030	K8THU@arrl.net
Hazel Park ARC	Jerry Begel	248-543-2284	w9npi@comcast.net
USECA ARC	Joseph Kennedy	586-977-7222	N8OZ@arrl.net
ARROW Assn	Roger Place	734-663-4625	merrogplace@aol.com

Some of the above clubs also conduct license classes. Please contact them for additional information.



## LARC VE Exam Sessions

The Livonia Amateur Radio Club is pleased to announce that the following dates are available for VE sessions. Exams will be Thursdays at 7:00pm at the Livonia Civic Center Library by appointment only. Contact information is [mwa8dhp@arrl.net](mailto:mwa8dhp@arrl.net). The dates for exams are: Dec 13.



## 2012-2013 Club Officers

Please contact any of the officers for information regarding the Ford Amateur Radio League, or go to the club website at [www.k8utt.org](http://www.k8utt.org) for current events and activities.

<b>President</b>	Roger Reini	KD8CSE	734-728-1509
<b>Vice President</b>	Dave Treharne	N8HKU	734-476-1666
<b>Treasurer</b>	Pat Quinn	WD8JDZ	734-729-1993
<b>Secretary</b>	John Turowski	N8NWA	313-258-1996
<b>Repeater Chair</b>	Murray Scott	KE8UM	248-743-1704
<b>K8UTT Trustee</b>	Dave Treharne	N8HKU	734-476-1666
<b>Activity Chair</b>	Bill Boyke	N80ZV	313-805-8877
<b>Bolt Editor</b>	Rajiv Paul	KD8LHF	313-244-2515



## Club Meetings

The Ford Amateur Radio Club meets on the second Thursday of each month, except for Christmas and the summer months July and August. The meetings are held at 6:30 PM at the Ford Engine Manufacturing & Development Offices (EMDO) building. EMDO (located at 17000 Southfield Rd, Allen Park, MI) is south of I-94 on the east side of Southfield just north of the Allen Park Municipal offices. Park in the front of the building and come into the main lobby at the side. Knock on the inside door on the right if no one is standing there to let you in.



**Next Club Meeting: December 13, 2012 at 6:30PM**

**Topic: Club Dinner (Mexican Fiesta Restaurant, Ford Rd, Just West of Telegraph Rd.)**

**The Ford Amateur Radio League  
PO Box 2711  
Dearborn, MI 48123**