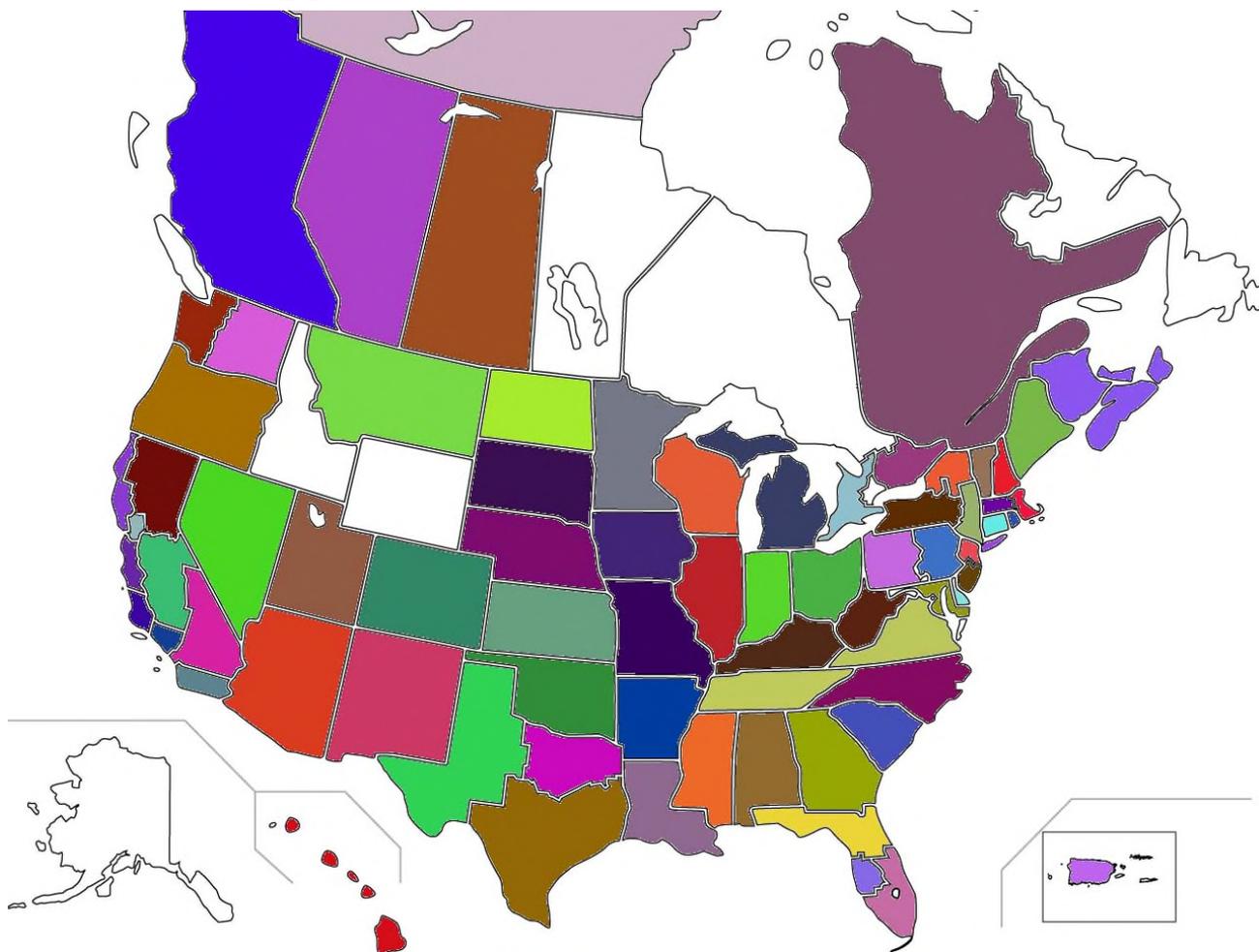


# THE PLATTSMOUTH AMATEUR RADIO CLUB

# Communicator

# August 2016



## Field day Results

Another Field Day is done and the results are in. We had a total of 546 contacts, 101 CW and 445 phone. 47 states, six Canadian Provinces and Puerto Rico are in the log. 75 out of 83 total sections were included. This is certainly one of the best totals that we have had. This is due to some long hours by several dedicated operators. Keith had 316 phone contacts and Beth had 101 CW contacts. As a fairly new operator Derek had 97 phone contacts. Ray and Gary chipped in with 19 and 13 contacts. We also had support on the technical end and we offer many thanks to the all-important food committee.

## Meeting Calendar

8am, July 30, 2016

8am, August 27, 2016

8am, September 24, 2016

at Mom's Café

**2016  
PAID MEMBERSHIP**

- AGØL .....Steve Loyd [E]
- AIØN..... Chuck Engberg\* [E]
- K3CRF.....Dave Smith [E]
- K5LBS ..... Jerry Gault [E]
- KBØFSI ..... Pat McCollum [T]
- KBØOGO .....Roger Behrns\* [E]
- KBØSJB.....Tom Katalenich [G]
- KCØHYD ..... John Titsworth [G]
- KCØHYE.....Shirley Titsworth [T]
- KDØNMD.....Dudley Allen [G]
- KDØBXB..... Kim Allen [T]
- KEØXQ.....Bill McCollum [E]
- KGØKR ..... Beth Engberg\* [E]
- KIØPY ..... Kevin Faris [E]
- N5SEZ..... Ray McNally[E]
- WØDBW..... Derek Winterstien [G]
- WØZY ..... Dave McLaughlin[E]
- WØZYD..... Debbie McLaughlin[G]

*\*Charter Members #New Ham*

Note: Thanks to all who have paid their dues and many who have given additional donations. All donations are greatly appreciated. Please let me know of any corrections.

**Meetings are 8am the last Saturday of most months at Mom's Café in Plattsmouth.**

**Tuesday night get-togethers at Plattsmouth Burger King at 7 PM**



**P.A.R.C. Officers**

**President**  
**KBØOGO .....Roger Behrns**  
**rb55930@windstream.net**

**Vice President**  
**KCØHYD .....John Titsworth**

**Secretary**  
**N5SEZ.....Ray McNally**

**Treasurer**  
**KIØPY ..... Kevin Faris**

**Newsletter Editor**  
**KBØOGO .....Roger Behrns**  
**rb55930@windstream.net**  
**513 Vine St.**  
**Louisville, NE 68037**  
**(402) 234-6775**

**Repeaters:**

443.45<sup>+</sup> is located in downtown Omaha

443.225<sup>+</sup> is located in Murray.

147.48 Simplex is also in Murray.

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*The Minutes of the May meeting were not available at press time. No business meeting was held in June.*

The April 30, 2016 meeting was called to order at 8:25 am at Mom's Café by President Roger Behrns.

Those in attendance were Roger (KBØOGO), Linda, Kevin (KIØPY), Steve (AGØL), Fred (KBØLF), and John (WR5I).

Kevin made a motion to accept the January meeting minutes and Fred seconded. Passed

The treasurer reported \$260 in the repeater fund and \$62.85 in the general fund for an ending balance of \$322.85. \$320 was paid for our annual liability insurance. Steve moved to accept the treasurer's report and Fred Seconded. Passed.

The Village of Murray approved our request to use the park for Field Day.

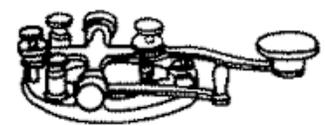
Kevin reported on progress on the repeater enclosure at the Murray water tower.

Spiral is looking to distribute WiFi from the Murray water tower and bring fiber to the site. They may be interested in use of the enclosure. Nebraska Emergency Management may also be interested in space for some microwave relay equipment.

There would be adequate room in the enclosure for Spiral, NEMA, George's commercial repeater and the club equipment. George is working with NPPD to bring 220V for the air conditioners to the site.

Steve moved and Fred seconded a motion to approve Roger and Kevin to negotiate with the interested parties on the use of the repeater enclosure and the financial arrangements. The motion passed.

The meeting adjourned at 8:53.



PLATTSMOUTH ARC MEMBERSHIP REGISTRATION FORM					
Name		Call Sign		Class	
Address		City	State	Zip	
E-Mail			Phone #		
Spouse Name			Call Sign		Class
Membership Type <input type="checkbox"/> Primary(\$15) <input type="checkbox"/> Spouse (\$5) <input type="checkbox"/> Student (\$5) <input type="checkbox"/> New Ham	● Additional donations are gratefully accepted. ● New Hams are free during the year they receive their first license. ● Please give this form and dues to the club treasurer or any club officer.		Donation for: <input type="checkbox"/> Repeater fund <input type="checkbox"/> Insurance <input type="checkbox"/> Other _____ <input type="checkbox"/> General	Amount:  <input type="checkbox"/> I prefer my donation to be anonymous.	
Any additional e-mail or cell phone #s?					

## FCC Clarifies Testing for LED Lights

(ARRL 06/30/2016) The FCC's Office of Engineering and Technology (OET) has clarified that all RF LED lighting devices falling under Part 15 rules as "unintentional radiators" must meet conducted and radiated emissions limits set forth in those rules.

"Operation of Part 15 unintentional radiators is subject to the condition that no harmful interference is caused," the OET reminded, in a knowledge database paper released on June 17. "Manufacturers and users should therefore note that lighting devices are required to cease operation, if harmful interference occurs."

The OET said radiated emissions measurements must be performed at least from 30 MHz to 1000 MHz to adequately demonstrate compliance with Part 15 (§15.109). Its guidance, the OET continued, applies to RF LED lighting devices that, in the past, have been considered to operate on frequencies below 1.705 MHz. Previously, devices operating between 9 kHz and 1705 kHz had to be tested only for radiated emissions up to 30 MHz, where no specified radiated emissions limits exist, and were exempt from testing from 30 MHz to 1000 MHz. The OET said it recognizes that routine radiated emissions measurements are needed under Part 15, based on the highest frequency generated or used in the device.

"[W]e have found that emissions from RF LED lighting devices are non-periodic, broadband in nature, and are produced as a byproduct of the internal driver circuitry within the RF LED lighting device," the OET "knowledge data base" paper said. "These types of emissions have adequate energy and potential to generate radiated emissions well above 30 MHz."

The ARRL Lab's Electromagnetic Compatibility Engineer Mike Gruber, W1MG, said he was pleased to see the FCC's OET clarify the test measurement requirements. He said ARRL is generally hearing more RFI complaints stemming from RF LED bulbs.

"Not only are the emissions limits higher for Part 15 LED bulbs — as opposed to Part 18 fluorescent and CFL bulbs, they seem to be winning out in terms of consumer popularity," Gruber said. "Higher limits and more bulbs probably make for more complaints." Gruber said the Lab has seen LED lighting devices causing problems in the 2 meter band. "Since conducted emissions limits do not apply above 30 MHz, radiated emissions limits can be the first line of defense against RFI at these higher frequencies."

Gruber pointed out that noise generated by street and traffic lighting can be widespread. In such instances, he suggested that Part 15b limits for residential areas should apply. "These limits are lower than Part 15a limits, which are intended only for commercial and industrial environments," he explained. "This is especially critical in cases where a pole transformer connected to the lighting device also feeds a home or residence. The 240 V split-phase secondary system can conduct RF into a residence through the service entrance panel." He suggested that the lower limits may benefit mobile users.

The OET noted that the ANSI Accredited Standards Committee C63® -EMC standards development committee is drafting measurement procedures for lighting devices. "When complete, we expect it will address in greater detail the measure-

## FCC Notice of Violation Alleges Malicious Interference, Transmitting Music, Failure to Identify

(ARRL 07/25/2016) The FCC has issued a Notice of Violation (NoV) to a California Amateur Radio licensee, alleging that he caused willful and malicious interference, transmitted music, and failed to identify properly. The FCC Enforcement Bureau said in the Notice, issued on July 13 to Philip J. Beaudet, N6PJB, of Burney, that agents from the San Francisco, California, and Portland, Oregon, offices observed the violations on four occasions in August and October 2015. A General class licensee, Beaudet formerly held the call sign WD6FGE.

Agents responding to an interference complaint used direction-finding techniques to pin down the source of an interfering signal on 3908 kHz to Beaudet's residence. The FCC agents also observed and recorded transmissions of music on 3908 kHz from Beaudet's amateur station. They further said that while they were monitoring and recording, the station's assigned call sign was not transmitted at the end of each communication.

The Enforcement Bureau said the Notice does not preclude it from taking further action, if warranted, including issuing a Notice of Apparent Liability for Forfeiture with respect to the cited violations.

The Bureau requested that Beaudet submit additional information in writing within 20 days "concerning the violations and any remedial actions taken" His response, in part, "must fully explain each violation, including all relevant surrounding facts and circumstances."

<http://www.arrl.org/news/fcc-notice-of-violation-alleges-malicious-interference-transmitting-music-failure-to-identify>

[https://apps.fcc.gov/edocs\\_public/attachmatch/DOC-340363A1.pdf](https://apps.fcc.gov/edocs_public/attachmatch/DOC-340363A1.pdf)

Check out: [www.kb0smx.com](http://www.kb0smx.com)

Derek has been putting a lot of work into a website for the club and there is a lot of interesting info there. Thanks, Derek.

ment procedures and configurations to be used in determining compliance," the OET said.

<http://www.arrl.org/news/fcc-s-oet-clarifies-emissions-compliance-testing-for-rf-led-lighting-devices>

[https://apps.fcc.gov/kdb/GetAttachment.html?id=K0pZdRE7biF3aqgO4XZ8cw%3D%3D&desc=640677%20D01%20RF%20LED%20LIGHTING%20v01&tracking\\_number=20518](https://apps.fcc.gov/kdb/GetAttachment.html?id=K0pZdRE7biF3aqgO4XZ8cw%3D%3D&desc=640677%20D01%20RF%20LED%20LIGHTING%20v01&tracking_number=20518)

<https://www.fcc.gov/engineering-&-technology>