

THE PLATTSMOUTH AMATEUR RADIO CLUB

Communicator

April 2016

Air Force Pledges Continued Cooperation with Radio Amateurs During Cape Cod Radar Upgrades

(ARRL 03/08/2016) As updating of the Pave PAWS radar installation gets under way at the Cape Cod Air Force Station in Massachusetts, the US Air Force has reached out to the Amateur Radio community to continue the positive working relationship developed between the two parties since March 2007. Pave PAWS radar installations on both coasts have required the modification of some 70 centimeter Amateur Radio systems to mitigate interference to the military radars. The Amateur Service is secondary on 70 centimeters. ARRL Regulatory Information Manager Dan Henderson, N1ND, said work now has begun to install the updated early-warning radar standards at Cape Cod.

“This is the new version of Pave PAWS and will bring the Cape Cod radar up to the same higher standard already employed at the Beale Air Force Base Pave PAWS facility in California, as well as at others in the Space Early Warning system,” Henderson said. “The radar will be a little more sensitive, so some additional mitigation is possible, but nothing like that required when the project started. This is the last Pave PAWS site to be upgraded.”

Henderson, who has served as the League’s point person on this project, and ARRL New England Division Director Tom Frenaye, K1KI, were briefed in late 2015 on the changes by officials at the Cape Cod facility. “The fact that the Air Force reached out to inform us of the



Radio Waves Educational Newsletter

(ARRL 02/29/2016) The winter 2016 edition of ARRL’s Radio Waves newsletter for Amateur Radio license instructors and radio science educators is now available. Some of the articles in this issue include, “In-Depth Licensing Class Probes Electronics;” “Exploring Complex Concepts through Electronic Kit Building;” “Two Schools Experience ARISS Impact;” “West Chester Amateur Radio Association on Hand for Pi Day,” and “Youth Nets.”

In addition, the Instructor Corner offers resources for classroom and licensing instruction, there’s news of the ARRL Education & Technology Program, a calendar of upcoming events, and more.

To receive Radio Waves, register as an ARRL Instructor or Teacher, or simply edit your personal profile to select Radio Waves as one of your email subscriptions.

This issue, and previous issues are available for download at the second link below.

Each issue is presented as a pdf file and anyone who is involved in teaching about radio or even helping someone to learn can find something of interest.

<http://www.arrl.org/news/winter-2016-edition-of-radio-waves-now-available>

<http://www.arrl.org/radio-waves>

Meeting Calendar

8am, March 26, 2016

8am, April 30, 2016

8am, May 28, 2016

at Mom's Café

(Continued on Page 3)

**2015
PAID MEMBERSHIP**

- AGØLSteve Loyd [E]
- AIØN..... Chuck Engberg* [E]
- K3CRF.....Dave Smith [E]
- K5LBS Jerry Gault [E]
- KBØFSI Pat McCollum [T]
- KBØLFFred Ericksen [E]
- KBØOGORoger Behrns* [E]
- KBØSJB.....Tom Katalenich [G]
- KCØHYD John Titsworth [G]
- KCØHYE.....Shirley Titsworth [T]
- KDØHLE Leonard Lawton [G]
- KDØNMD.....Dudley Allen [G]
- KDØBXB..... Kim Allen [T]
- KEØETZ..... Derek Winterstien# [T]
- KEØXQ.....Bill McCollum [E]
- KGØKRBeth Engberg* [E]
- KIØPY Kevin Faris [E]
- KI6VTY Brian Johnson [T]
- N5SEZ..... Ray McNally[E]

**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

**KBØOGORoger Behrns
rb55930@windstream.net**

Vice President

KCØHYDJohn Titsworth

Secretary

N5/SEZ.....Ray McNally

Treasurer

KIØPY Kevin Faris

Newsletter Editor

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

Repeaters:

- 443.45⁺ is located in downtown Omaha
- 443.225⁺ is located in Murray.
- 147.48 Simplex is also in Murray.

*Contents copyright ©PARC 2016
Some contents may be copyrighted by the referenced source or author. Unsigned articles may be used for noncommercial use with notification and attribution.*

**MINUTES of
the
MEETING**

The February 27, 2016 meeting was called to order at 8:09 by President Roger Behrns.

Those in attendance were Roger (KBØOGO), George (KBØZZT), Kevin (KIØPY) John (KCØHYD) and Shirley (KCØHYE), Derek (KEØETZ), Fred (KBØLF), Ray (N5SEZ).

The meeting was held at Mom's Café in Plattsmouth.

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

The treasurer reported \$260 in dues and donations, with \$260 in the repeater fund and \$362.85 in the general fund for an ending balance of \$622.85. George moved to accept and Fred seconded.

Ballots will be counted at the March meeting.

Donation of \$20 to QCWA for 1/2 a plaque for the NE QSO Party was discussed, Fred recommended either the qrp or digital mode award. A vote was taken and was passed.

A discussion for Field Day took place and a decision was made to continue at the Murray park.

Fred (KBØLF) reported on a trip to the Hastings radio club and mentioned the upcoming Ham Fest that will be at Hastings college on June 18.

Ray (N5SEZ) discussed the Boy Scout Merit Badge University that will take place on March 5th from 9 AM to 5 PM We will be setting up equipment starting around 7 AM and the first session will be at 9. If anyone is able to assist, please contact Dudley (KCØNMD) or Ray (N5SEZ). Also discussed was a Cub Scout event taking place several weekends in June and July, more info to follow.

Kevin discussed moving a small building from Bellevue to Murray for the repeater.

The meeting adjourned at 8:40.

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?					

Radar (Continued from Page 1)

pending changes speaks volumes about the excellent working relationship we have managed to build with them over the past 9 years," said Henderson. "The Amateur Radio communities in proximity to both the Cape Cod and Beale sites have stepped up to the plate and demonstrated their willingness to be good-faith partners with the Air Force, accepting their responsibility as secondary users of this part of the spectrum, and, in almost all cases, taking the necessary steps to achieve the required mitigation standards while still maintaining Amateur Radio access to this spectrum."

In a statement, Cape Cod AFS Sixth Space Warning Squadron Crew Commander and Public Affairs Officer Lt Drew S. Dutcher said his facility recognizes and appreciates Amateur Radio's service to the community and its continued cooperation.

"In the coming months we will be undergoing upgrades to our facility which will help us improve our capabilities to locate and track satellites for entities such as NASA and Space-X," Dutcher said. "The improvements will also ensure utilization of cutting-edge technology to protect our eastern sea border from incoming Intercontinental Ballistic Missiles and Sea Launched Ballistic Missiles. As always, we ask that you be mindful and courteous of our frequency range. We do not anticipate any interference or spurious emissions to any [Amateur Radio] frequencies."

Dutcher asked radio amateurs experiencing "any anomalies" on their 70 centimeter frequencies to contact the Public Affairs Office. He thanked the ham community for advancing the art, science, and enjoyment of Amateur Radio and continuation of cooperation. The Cape Cod Pave PAWS installation was the first in the US.

More information will become available as work at Cape Cod AFS continues. Henderson asked amateurs with questions about the project to contact him at ARRL Headquarters and to copy him on any communications to the US Air Force regarding interference or spurious emissions believed to be associated with the Pave PAWS radar system.

"Pave" is a program name for electronics systems. "PAWS" stands for Phased Array Warning System. The technical nomenclature for the radar is AN/FPS-123.

<http://www.arrl.org/news/air-force-pledges-continued-cooperation-with-radio-amateurs-during-cape-cod-radar-upgrades>

<http://www.peterson.af.mil/library/factsheets/factsheet.asp?id=4702>

<http://www.afspc.af.mil/library/factsheets/factsheet.asp?id=3656>

ARRL Nebraska State Convention 2016

"First of Spring Hamfest"

Saturday, April 23, 2016

8:30 AM – 2:00 PM

Hosted by the Lincoln Amateur Radio Club

Commercial Vendors – Flea Market – Forums

FCC Testing - On-going Tech Demos

Lancaster Event Center

84th and Havelock Ave., Lincoln, NE

<http://lincolnhamfest.org/>

Receiving Antennas Focus of Free Webinar

(ARRL 02/26/2016) "High Performance RX Antennas for a Small Lot" was the topic of a free webinar by Jose "JC" Carlos, N4IS, and sponsored by the World Wide Radio Operators Foundation (WWROF).

Carlos explored basic concepts of receiving antennas and shared his experiences with low-band receiving antennas on a small lot, including the Waller Flag.

The live webinar took place on March 4 and lasted just over 1 hour. It may be accessed at the third link below. Several other presentations are also available at that same link.

<http://www.arrl.org/news/receiving-antennas-will-be-focus-of-free-webinar>

<http://wwrof.org/>

<http://wwrof.org/category/webinar-archive/>

Nebraska QSO Party April 16-17

The annual Nebraska QSO Party will be held on the weekend of April 16 and 17. On Saturday it will run from 9am to 9pm and on Sunday it will run from 9am to 6pm.

The objective of the contest is simple: make as many contacts as you can. For stations in Nebraska each Nebraska county, state, province or country that is contacted adds a multiplier for your score. For those outside Nebraska the multiplier is the number of Nebraska counties contacted.

For a copy of the rules and summary sheet go to:

<http://www.qcwa.org/chapter025.htm>



Field Day is June 25-26, 2016

Information is at:

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