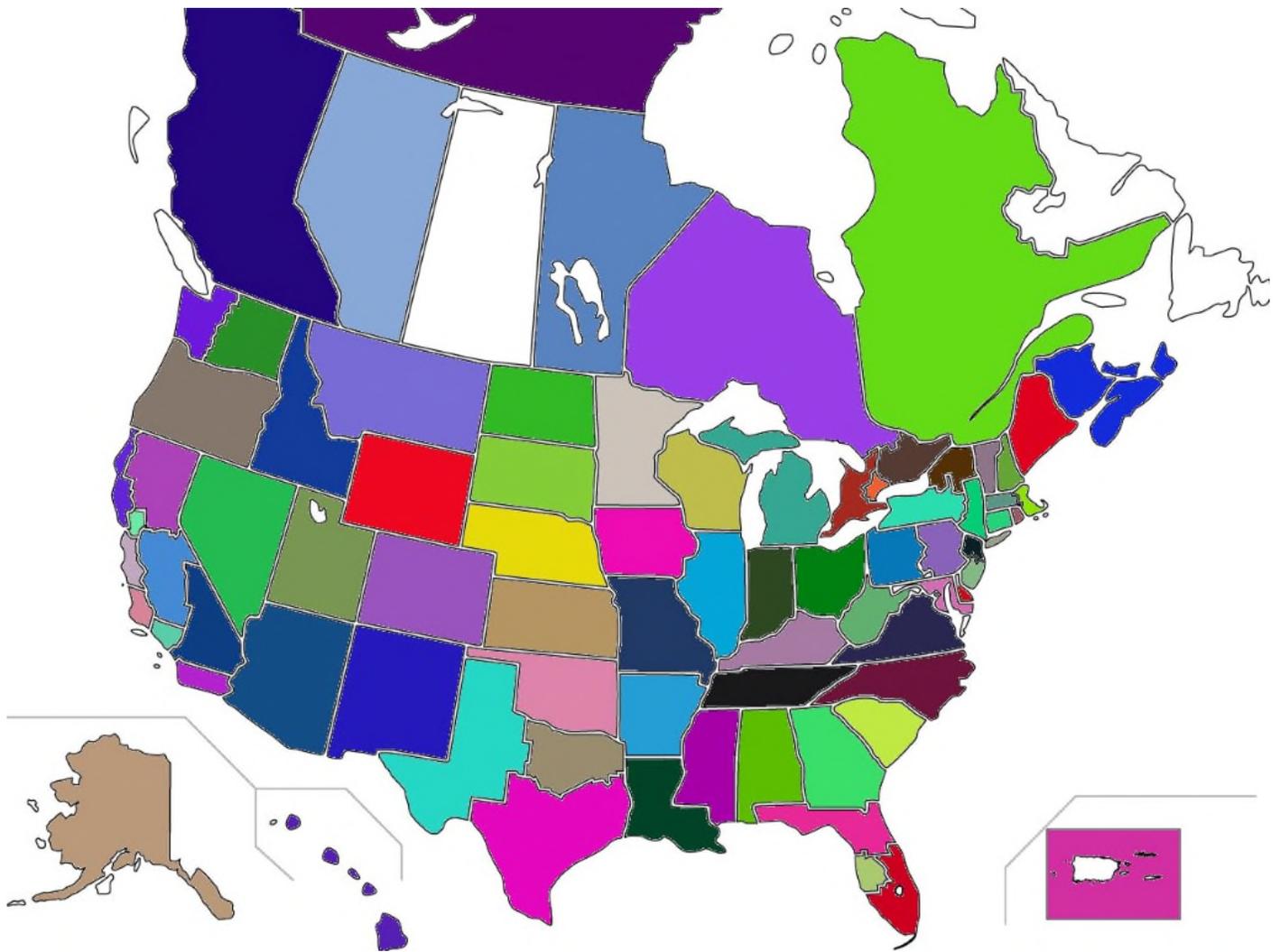


# THE PLATTSMOUTH AMATEUR RADIO CLUB

# Communicator

# August 2017



## 2017 Field Day Results

Contacted all 50 states, 8 provinces and the Virgin Islands  
Missed only Saskatchewan, and Newfoundland/Labrador and Puerto Rico for a clean sweep.

Made 509 CW contacts and 509 phone contacts for a total of 1527 points. With the low power bonus that made 3054 points for contacts and another 1150 points for the bonus items of Emergency Power, publicity, location public information Site Visits, Safety Officer and submittal on the web we had a grand total of 4204 points.

## Meeting Calendar

8am, July 29, 2017

8am, August 26, 2017

8am, September 30, 2017

at Mom's Café

**2017  
PAID MEMBERSHIP**

- AGØL.....Steve Loyd [E]
- AIØN.....Chuck Engberg\* [E]
- K3CRF .....Dave Smith [E]
- K5LBS.....Jerry Gault [E]
- KAØIJY ..... Keith Keene [E]
- KBØFSI .....Pat McCollum [T]
- KBØLF .....Fred Ericksen [E]
- KBØOGO ..... Roger Behrns\* [E]
- KBØSJB.....Tom Katalenich [G]
- KBØZZT..... George Bellairs [T]
- KCØDTK..... Joan Bellairs [T]
- 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]
- NØLZH .....John Harrington[T]
- 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.

**Web Site**  
**[www.kb0smx.com](http://www.kb0smx.com)**  
 Maintained by Derek

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**MINUTES of  
the  
MEETING**

The June 24, 2017 meeting was held at the Murray Field Day Site. The meeting was called to order at 1308 by Secretary Ray McNally

Those in attendance were Kevin (KIØPY), Ray (N5SEZ), John (KCØHYD), Shirley (KCØHYE), Steve (AGØL), Derek (WØDBW), Keith (KAØIJY), Gary (KBØKYT), Beth (KGØKR), Chuck (AIØN), Del (KJØZ) Dave (KØRWM) Steve (KDØPXX), Jim (AEØJR), Bill (W3DCQ), and Jim (KGØRD).

The Minutes of the May meeting were approved on a motion by Keith and second by Gary.

The treasurer reported no change which leaves \$260 in the repeater fund and \$757.85 in the general fund for a balance of \$1017.85. The report was approved on a motion by John and second by Chuck.

The Field Day Operation will be operating as 5A using the call sign NØA.

The meeting adjourned on a motion by John and second by Shirley at 1310.

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





## Arecibo Observatory Ionospheric Heating Campaign Under Way

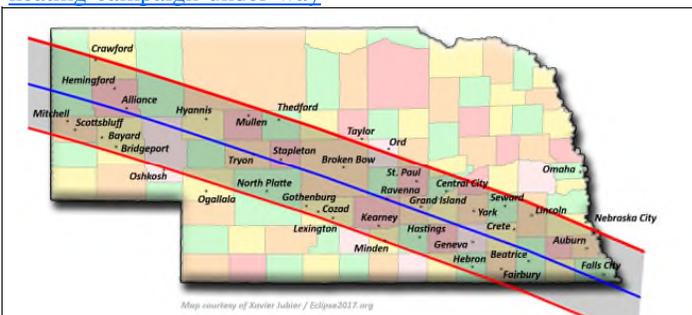
(ARRL 07/26/2017) Arecibo Observatory in Puerto Rico is conducting an ionospheric heating campaign July 24-31, using HF.

“The new Arecibo ionosphere HF heater nominally transmits 600 kW net power and has a unique Cassegrain dual-array antenna design that increases gain of three crossed dipoles for each band, using the signature 1000-foot spherical dish reflector,” explained Chris Fallen, KL3WX, a researcher at the University of Alaska-Fairbanks HAARP facility. He has reported that Arecibo would use 5.125 or 8.175 MHz, depending upon ionospheric conditions, but emphasized that these are estimates and frequencies may be adjusted slightly. On July 25, Arecibo was transmitting on 5.095 MHz.

According to Fallen, campaign HF transmissions will start at approximately 1600 hours UTC and continue for approximately 24 hours per day, with some occasional downtime. Transmissions will be aimed directly upward, “so this is an excellent opportunity to observe NVIS from a powerful transmitter in Puerto Rico,” Fallen suggested. In general, the approximately 8.175 MHz transmissions will occur during daylight hours, between approximately 1830 and 2230 hours UTC. Otherwise, HF transmissions will be on or near 5.125 MHz.

Angel Vasquez, WP3R, the head of Telescope Operations and Spectrum Manager at Arecibo, said a QSL for reception reports may be had for an S.A.S.E to KP4AO club station QSL manager W3HNK.

<http://www.arrl.org/news/arecibo-observatory-ionospheric-heating-campaign-under-way>



## Many Special Events Will Be on the Air to Mark the Total Solar Eclipse in August

(ARRL 07/21/2017) Radio amateurs from several states will gather in southern Illinois on August 17-21 to operate special event station W9E, leading up to and during the 2017 solar eclipse on August 21. W9E will operate from Marion, Illinois.

“This will be the first total eclipse on American soil since 1991, the first on the mainland United States since 1979 and the first to sweep across the entire country since 1918. It will be an event you do not want to miss!” the W9E announcement said. “The far southern tip of the state of Illinois is the only place viewers can see the totality of the eclipse.”

W9E plans to operate on 80, 40, and 20 meters (and perhaps other bands, if conditions permit), on CW, SSB, and digital modes (JT65, JT9, and PSK31). All amateur operators visiting the area for the eclipse are invited to visit. A copy of your license and photo ID are required to operate. Amateur Radio license testing also will be offered during the event.

While the W9E special event is under way, organizers are planning a joint exercise with ARES® Illinois District 11 Emergency Coordinator W. Bruce Talley, WA9APQ, hoping not only to assist with local communication during the eclipse but to coordinate with other ARES groups as the eclipse travels from northwest to southeast.

“Our plan is to be proactive and ready to respond, as needed,” said Talley. “Local volunteers and those from outside the area are welcome to sign up on the database. We are especially interested if you are coming to the area to view the eclipse and know where you will be stationed.”

The Solar Eclipse QSO Party (SEQP), sponsored by HamSCI, will take place on August 21, 1400 to 2200 UTC. As the QST article “The Solar Eclipse QSO Party — Are You Ready?” explains, “The objective...is to flood the airwaves with contacts, all measured by the automated receiver networks of the Reverse Beacon Network, PSKReporter, and WSPRNet. When those observations are combined with the logs from individual stations, the result will be one of the largest ionospheric experiments ever performed.”

The South Dakota’s Black Hills Amateur Radio Club in South Dakota plans to operate special event K0E on the day of the eclipse, August 21, 1500-1930 UTC, from Harrison, Nebraska. Operation will be on 20 meters (14.260-14.280 MHz) and on VHF and UHF. Contact Bob Ewing, W0RE, for more information.

There are more listed in the referenced article or search the ARRL Special Events Calendar for additional total eclipse special event operations.

<http://www.arrl.org/news/many-special-events-will-be-on-the-air-to-mark-the-total-solar-eclipse-in-august>

<http://www.arrl.org/special-event-stations>