

THE PLATTSMOUTH AMATEUR RADIO CLUB

Communicator

April 2025

US Navy Looks to Ham Radio

(ARnewsline 3/30/25) Amateur radio has provided the inspiration for a new initiative within the Resilient Communications program at the US Naval Undersea Warfare Center Division in the state of Washington. Organizers in Keyport, Washington, are working to use ham radio's reliability as the backup for its emergency communications when there are disruptions to the Internet, computer function or mobile phone services.

Eric Seeley, the division's director of innovation in Keyport, said that the program embraces the technology of ham radio for this purpose and will be establishing a network of licensed hams to make use of amateur radio frequencies when the need arises. Organizers have also been encouraging nearby naval bases to join in their effort.

The Keyport team is reaching beyond the military too. Everyone needs an Elmer, so organizers have contacted local ham radio clubs as well as emergency responders to help with training the new operators to grow the network. Some members of the team have already obtained their GMRS license, for General Mobile Radio Service, but acknowledge that the next step is the FCC's Technician test to become a ham.

<https://arnewsline.org/>

For AM Radio, a Signoff of the Times?

(ARnewsline 3/30/25) The website for small, independent New York radio station WIRY-AM, screams: "Hometown radio. Playing all the hits from yesteryear to today." Now after 75 years, however, there will be no hits played for any tomorrows. The upstate New York State broadcaster has announced it is going silent, the result of a changing audience and a changing media environment.

The giant Cumulus Media has already pulled the plug on AM radio stations such as KZAC in California, WRIE in Pennsylvania and KPUR in Texas, among many others.

Lawmakers in Washington, D.C., are presently debating whether a law is needed to ensure that carmakers keep AM radio in vehicles sold in the US -- but for this broadcaster, a locally owned station in the Champlain Valley, the argument is over and AM radio has lost. WIRY made its announcement earlier this month. The announcement did not specify the last day before its transmitter would go silent.

6 GHz Band for more Unlicensed VLP Devices

(ARnewsline 3/13/25) In the US, the entire 6 GHz band will be opened up to a greater operation of unlicensed VLP, or very low power, devices under an FCC final rule that takes effect on May 5th. The band, which comprises frequencies

between 5.925.7 and 7.125 GHz, is used by mobile service, fixed service and fixed satellite service across four sub-bands. VLPs, which include wearable devices, augmented-reality devices and health-care monitors, typically have an integrated antenna and cover short distances.

This latest action by the commission, published in the Federal Register on March 6th, provides greater spectrum for various portable devices operating with the same power levels and operational requirements of other VLP devices.

GPS on the Moon?

(ARnewsline 3/13/25) When an Earth-based navigation system successfully tracked a lander on the surface of the moon on March 3rd, the interaction was hailed as a triumph. It was a "first" for the Lunar GNSS Receiver Experiment, known as LuGRE, a joint project of NASA and the Italian Space Agency. This unprecedented ability to have Earth-based navigation track movements on the moon bodes well for high-altitude explorations such as NASA's planned Artemis missions. Observers view it as a gateway to even more advanced navigation systems which could be applicable to missions headed for Mars.

The contacts between LuGRE and the two navigation systems - GPS and Galileo - achieved success some 225,000 miles from Earth, determining position, velocity, and time autonomously.

This is a first for the Italian Space Agency and a nod to the work of Frank Bauer, KA3HDO, who was a consultant on the LuGRE moon lander package. Frank, the executive director of ARISS, had experimented more than 20 years ago with using the satellite AO-40 to measure the signal strength of the GPS satellite constellation at high altitudes. That experiment was credited with helping improve GPS and its applications -- and experts note that it ultimately led to the ability for such navigation at even higher-earth orbits.

SIGNALS Museum Open in Huntsville

(ARnewsline 3/6/25) On March 1st, the SIGNALS Museum of Information Explosion opened its doors to what founders hope will be an immersive and hands-on environment for visitors. The museum, housed a short drive from where the Huntsville Hamfest is held each year, has an array of exhibits devoted to communications technology in all its forms throughout history. Amateur radio operators who are visiting will be particularly interested in the ham shack, a welcoming space for regional radio clubs and other radio operators to meet or work on building equipment. The museum also has an on-site radio tower.

Visit their website at: <https://signals-museum.org>

2025 PAID MEMBERSHIP

- PAID MEMBERSHIPS are in **BOLD**
- AGØLSteve Loyd [E]
 - AION..... **Chuck Engberg*** [E]
 - KBØFSI.....Pat McCollum [T]
 - KBØLFFred Eriksen [E]
 - KBØOGO** **Roger Behrns*** [E]
 - KCØHYDJohn Titsworth [G]
 - KCØHYE Shirley Titsworth [T]
 - KEØTR.....Paul Stanek [A]
 - KEØPFQ** **Justin Fader** [T]
 - KEØXQ Bill McCollum [E]
 - KFØRMZ**..Stanley Winterstien [T]#
 - KGØKR**..... **Beth Engberg*** [E]
 - KIØPY** **Kevin Faris** [E]
 - N5SEZ**..... **Ray McNally**[E]
 - NØLZH**..... **John Harrington** [G]
 - NØPEU** **Shawn Djernes** [E]
 - N8VCL**.....**Scott Schreiber** [E]
 - WØDBW Derek Winterstien [G]
 - WBØWTF****Mitch Green** [G]
 - WDØCFC**..... **Gary Bauersachs** [E]
 - WØJRN****Jim Nelson** [E]
 - WJØZ Del Keene [E]



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

Tuesday night get-togethers at Plattsmouth Burger King at 6 PM or so.

PLATTSMOUTH AMATEUR RADIO CLUB

KBØSMX

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- President**
KBØOGO.....**Roger Behrns**
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KCØHYD **John Titsworth**
- Secretary**
WØDBW**Derek Winterstien**
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443.45⁺ is located in downtown Omaha
 443.225⁺ is located in Murray.
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Web Site
www.kb0smx.com
 Maintained by Derek (WØDBW)

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MINUTES of the MEETING

The February Meeting was held at Mom's Café on Saturday, February 22, 2025. The meeting was called to order by President Roger Behrns at 8:10 am.

Those in attendance were Roger (KBØOGO), Kevin (KIØPY), Ray (N5SEZ), John (KCØHYD), Jim (WØJRN), Derek (WØDBW), Gary (WDØCFC), Scott (N8VCL), and Stanley (KFØRMZ)

The Minutes of the January meeting were approved on a motion by Stan and seconded by Jim.

The Treasurer's report showed \$60 in dues received. This leaves \$627.55 in the General Fund and \$315 in the Repeater Fund for a total of \$942.55. The report was accepted on a motion by Gary and second by Ray.

There was general agreement to participate in Field Day in Murray again this year. Roger will send a request to Murray.

There being no other business, the meeting was adjourned at 8:11 on a motion by Jim and seconded by John.

Nebraska QSO Party
April 19th & 20th. 2025
www.nebraskaqso.com

Lincoln Hamfest
 Saturday, May 10, 2025
 8:00 am – 3:00 pm
<http://www.lincolnhamfest.org>

PLATTSMOUTH ARC MEMBERSHIP REGISTRATION FORM

Name		Call Sign	Class
Address	City	State	Zip
E-Mail		Phone #	
Spouse Name		Call Sign	Class
Membership Type	● 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:	Amount:
<input type="checkbox"/> Primary(\$15) <input type="checkbox"/> Spouse (\$5) <input type="checkbox"/> Student (\$5) <input type="checkbox"/> New Ham		<input type="checkbox"/> Repeater fund <input type="checkbox"/> Insurance <input type="checkbox"/> Other _____ <input type="checkbox"/> General	<input type="checkbox"/> I prefer my donation to be anonymous.
Any additional e-mail or cell phone #s?			

Meeting Calendar

8am, Sat March 29
8am, Sat April 26
8am, Sat May 31
at Mom's Café.
(Field Day is June 28-29)