

# The Official Organ

The Official Newsletter of the Johnston Amateur Radio Society, Inc.

August 2014 Edition

## JARS Meeting Thursday

Our monthly JARS meeting is this Thursday, August 21<sup>st</sup> at Panther Branch Community Building located on ten – ten road just off of NC 50 south of Garner. Talk in will be available on the “Mighty Two Seven” if needed. Dinner will consist of Chef Boy – R – Tommy’s world famous spaghetti and fixin’s. Cost is \$7.00 per person. Let Tommy know at n4cbi@yahoo how many you will be bringing so everybody gets enough to eat.

### In this Month’s Organ

Secretary Report  
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Johnston County A.R.E.S.

## Secretary Report:

7/29/14

[Notes from Lannie...RE: JARS  
7/17/14 mtg.]

FOOD:

August meal will be spaghetti.

Sept. & Oct. will be potluck affairs.

New Member:

Terry Riley, (KK4JRM), was voted in. Congratulations!

LOM:

This precious JARS’ icon was passed from Dianne to Lannie.

Officer Nominations:

Next month nominations will be taken.

Dues:

Sept. JARS annual dues will be due.

## Upcoming Elections:

Each year in August, we nominate officers and form a nominating committee. In September, we vote on those nominated and the new officers take office in January. I am listing the positions and their related responsibilities in the newsletter so everybody will know what each position entails.

## President:

Conduct and preside at all regular and special meetings.

Shall appoint all committees  
Shall cast a vote to break a tie at any election of vote of the membership.

Shall be an ex officio member of all committees and shall be notified of committees' progress and decisions.

**Vice President:**

It shall be the duty of the Vice President in the absence of the President to open and preside over the meeting.

The Vice President shall be responsible for securing a program for the clubs regular meetings.

**The Secretary:**

It shall be the duty of the Secretary to record the minutes of all regular meetings.

Shall keep a record of all members in attendance at regular meetings.

Shall be responsible for all correspondence for the organization.

In the event of the absence of the President and Vice President, it shall be the secretary's duty to open and preside over the meeting. He/she shall appoint a member to record the minutes of such meeting.

**Treasurer:**

Shall keep a record of all members whose dues are paid.

Shall record all monies donated from any other source, and deposit said donations in the organizations account at a bank designated by the organization.

Shall credit any individual donations and issue a receipt for said donations upon request.

Shall disburse funds at the direction of the organization and report in detail at the meetings on the financial condition of the organization. Checks shall be issued and signed by the treasurer.

Shall upon completion of his/her term of office or resignation, turn over all JARS assets and records in his/her possession to this/her successor.

He shall be bonded at the expense of the organization when total assets of JARS are in excess of five thousand dollars (\$5,000.00).

In the event of the absence of the President, Vice President and Secretary, it shall be his/her duty to open and preside over

the meeting. He/she shall appoint a member to record the minutes of the meetings.

Shall keep a record of and be responsible for all JARS property.

### **Membership Chairperson:**

Shall be responsible for recruiting prospective members, and forwarding applications to individuals desiring membership.

Shall present completed applications before the membership at the next regular meeting after receipt for approval/disapproval of the applicants by a vote of the membership.

Shall keep a roster of all members.

### **Net Whip:**

The Net Whip shall be responsible for the selection and assignment of net control operators for the Johnston Amateur Radio Society net, short title "JARS NET"

### **Eligibility to hold office in the JARS is set forth as follows:**

Must be a member in good standing and hold a valid Amateur Radio Operators License issued by the FCC.

So there you have it in a nutshell. Hopefully, this will be of some help in deciding who we want to lead us next year. Also, more than one person can be nominated for any given position and the club will vote on the best person for the position.

### **ARRL News:**

#### **"Pacific Endeavor-14" Exercise Stresses International Cooperation**

Military Auxiliary Radio Service ([MARS](#)) stations from Okinawa and the US West Coast joined members of the Canadian Forces Auxiliary Radio Service ([CFARS](#)) to participate in the first phase of the US Pacific Command's multinational "Pacific Endeavor-14" communication exercise that concluded on August 11 (UTC). The disaster scenario was a massive earthquake in Nepal that caused a large number of casualties and crippled the country's infrastructure.

MARS and CFARS members scanned "emergency center of activity" frequencies on the Amateur Radio HF bands,

listening for information on the simulated disaster from Nepalese amateur operators. Unfortunately, poor propagation prevented Nepalese Amateur Radio operators from being heard by any other participants. The Army MARS gateway station at Fort Huachuca, Arizona, and the 311th MARS gateway in Okinawa then simulated on-scene traffic, allowing the other participants to complete the exercise. Details of the exercise will be reported during the Global Amateur Radio Emergency Communications (GAREC) conference August 12-15. GAREC-2014 is being held in conjunction with the Huntsville (Alabama) Hamfest.

Because MARS and CFARS may operate on both Amateur Radio and military frequencies, they can provide a bridge for radio amateurs outside the US and Canada to communicate with military units responding under the 24-nation Multinational Communications Interoperability Program in the disaster-prone Asia-Pacific region.

Part 2 of the Pacific Endeavor exercise is set for August 19. During the second phase, traffic from Nepalese amateurs reporting on earthquake

aftershocks will be relayed to the US Pacific Command. -- *Thanks to Bill Sexton, N1IN, Army MARS Public Affairs Officer*

### Canadian Radio Amateurs Will Join Special Event This Fall on 630 Meters

Canadian radio amateurs will take part in the previously announced CW-only special event operation on 600/630 meters this fall. The Maritime Radio Historical Society ([MRHS](#)), which maintains the KPH/KSM commercial coast stations, also will participate in the event. [ARRL 600 Meter Experimental Group](#) Coordinator Fritz Raab, W1FR, said the MRHS participants will conduct a mini "Night of Nights" operation, with special attention to MF operation.

"This will give listeners the best chance of copying their MF signals by operating during the fall and extending our operating hours well into the evening hours Pacific time," he said. Coast station KPH will keep 500 kHz and 426 kHz active, as well as HF, with special messages, press and weather and will verify listener reports. Raab pointed out that the event will coincide with the 106th

anniversary of the Berlin Treaty that created the international distress frequency at 500 kHz.

Amateur Radio operators in Canada [gained access](#) to the 472-479 kHz band on May 1. Three Canadian radio amateurs will conduct cross-band communication tests with amateurs operating on 80 and 40 meters. Joe Craig, VO1NA, in Torbay, Newfoundland, will transmit on 477.7 kHz starting at 2130 UTC on October 31 and continuing until 0130 UTC on November 1, and listen on 3562 and 7062 kHz. On the West Coast, Steve McDonald, VE7SL, on Mayne Island, British Columbia, will be active November 1, 0200-0600 UTC, transmitting on 473.0 kHz and listening on 3566 and 7066 kHz. John Gibbs, VE7BDQ, in Delta, British Columbia, will be on the air from 0100 until 1000 UTC on November 1, transmitting on 474.0 kHz and listening on 3536 kHz.

All stations either will call CQ or run "VVV" marker beacons while listening on their respective receive (QSX) frequencies, which will be included in the CQ or marker beacon.

"The official time period is 0000 UTC on November 1 through

2359 UTC on November 2," Raab said. "These include Friday and Saturday evenings in North America. Stations on the East Coast may start a little earlier if they like."

All activity will occur between 465 and 480 kHz and between 495 and 510 kHz.

### **W1AW Centennial Operations Relocate on August 20 (UTC)**

The ARRL Centennial [W1AW](#) portable operations taking place throughout 2014 from each of the 50 states and now in Oklahoma will relocate at 0000 UTC on Wednesday, August 20 (the evening of August 19 in US time zones), to Ohio (W1AW/8) and North Dakota (W1AW/0). During 2014 W1AW will be on the air from every state (at least twice) and most US territories, and it will be easy to work all states solely by contacting W1AW portable operations.

The [ARRL Centennial QSO Party](#) kicked off January 1 for a year-long operating event in which participants can accumulate points and win awards. The event is open to all, although only ARRL members and appointees, elected officials, HQ staff and W1AW are worth ARRL

Centennial QSO Party [points](#).

Working W1AW/x from each state is worth 5 points per mode/contact, even when working the same state during its second week of activity.

To earn the "Worked all States with W1AW Award," work W1AW operating portable from all 50 states. (Working W1AW or W100AW in Connecticut does *not* count for Connecticut, however. For award credit, participants must work W1AW/1 in Connecticut.) A W1AW WAS certificate and plaque will be available.

The ARRL has posted an ARRL Centennial QSO Party [leader board](#) that participants can use to determine how many points they have accumulated in the Centennial QSO Party and in the W1AW WAS operations. Log in using your Logbook of The World ([LoTW](#)) user name and password, and your position will appear at the top of the leader boards. Results are updated daily, based on contacts entered into LoTW.

The [schedule](#) has been updated recently. Check it often to make sure you don't miss out on working a state.

## W1AW Centennial Operations Head to the Pacific in October and November

The ARRL Centennial W1AW portable operations will be heading to the Pacific this fall. From October 8 until October 21, W1AW/KH0 will be on the air from The Radio Space of Tinian, on Tinian Island in the Northern Mariana Islands. Ten operators from the US and Japan will support the activity.

Starting in early November, W1AW/KH8 will fire up from American Samoa. Heading up the operation is Mike Goode, N9NS, who has at least 10 "seasoned DXpeditioners" to operate. The group has received permission from the ARRL to operate for longer than 1 week, and Goode anticipates that W1AW/KH8 could take to the air as early as November 1, continuing operation through November 12, although the current W1AW Centennial QSO Party [schedule](#) indicates that operation will run November 5 until November 18.

The team will put up at the Maliu Mai Beach Resort, which has hosted other Amateur Radio operations, and their primary operating location will be that of the late Larry Gandy, AH8LG,

compliments of his widow Uti, KS6FO. Plans call for three or four stations active on all bands from 1.8 through 28 MHz. The group may also set up a station at the hotel, and outside of their W1AW operation, team members may operate as KH8Q or using their home call signs /KH8.

As with other Centennial QSO Party contacts, confirmation will be via Logbook of The World ([LoTW](#)). Stations contacting W1AW/KH0 or W1AW/KH8 may be able to request cards directly or via the bureau through use of an Online QSL Request System (OQRS). QSLs cards are not necessary, however, and in due course, all QSLs will be sent via the bureau. -- Thanks to [The Daily DX](#)

### Radio Amateur Named to FEMA National Advisory Council

A Nevada radio amateur is among 12 new members appointed to the Federal Emergency Management Agency (FEMA) [National Advisory Council](#) (NAC). FEMA announced the appointments by FEMA Administrator Craig Fugate, KK4INZ, this week. New NAC member Chris Smith, W4HMY, of Sparks, Nevada, was one of the

speakers at this year's ARRL Nevada Section Convention.

"FEMA is just one part of our nation's emergency management team," Fugate said in a statement. "The National Advisory Council serves a vital role in guiding our plans and strategies by ensuring we remain informed by diverse viewpoints and experiences from every sector of society. I value the expertise and input of each of these members, and appreciate their dedication and commitment to ensuring effective emergency management."

Chris Smith comes from an Amateur Radio family. His father is Bill Smith, W7HMY, an ARRL Life Member and Emergency Coordinator for Clark County Nevada.

The NAC, which can include up to 35 members, provides recommendations to the FEMA Administrator on a variety of emergency management issues. "For example," a FEMA news release said, "the NAC recently made [recommendations](#) regarding regional response and recovery capabilities as well as regarding mutual aid agreements among different units of government."

Most NAC appointments are for 3-year terms.

### Ham Radio Payload to Circle the Moon

A lunar flyby with a ham radio payload transmitting JT65B mode on 145.990 MHz is expected to take place toward the end of this year, giving earthbound radio amateurs the opportunity to receive some otherworldly DX signals as the payload flies around the Moon

China has [announced](#) plans to launch a lunar orbiter carrying a 14 kg battery-powered payload known as 4M-LXS, which was developed at LuxSpace. Signals from the Amateur Radio payload can be decoded using the free [WJST](#) software by Joe Taylor, K1JT.

The orbiter is one of the test models for Beijing's new lunar probe *Chang'e-5*, which will land on the moon, collect samples, and return to Earth. The launch, planned for 4th quarter 2014, is aimed at testing technologies that are vital for the success of the spacecraft. The orbiter will be launched into Lunar Transfer Orbit and then perform a lunar flyby before re-entering Earth's atmosphere after 9 days.

The orbiter, which arrived by air in Xichang, Sichuan, on Sunday, August 10, has been transported to the Xichang Satellite Launch Center. -- *Thanks to AMSAT-UK*

### A Century of Amateur Radio and the ARRL

A comprehensive and fascinating article on long-delayed echoes (LDEs) appeared in the February 1970 *QST*. LDEs are signals that have been transmitted, go away somewhere, and then are heard - - at low signal levels but often with good readability -- 10 or more seconds later. They were first heard on the ham bands in 1927. An article in the May 1969 *QST* described them and asked for reports from readers who had heard them. The 1970 follow-up article summarized more than 40 reports. A May 1971 *QST* article later reported on more than 90 observed LDE events.

The effort to get more amateurs on the VHF and UHF bands continued, with *QST* publishing articles on 432 MHz transmitters, 220 MHz kilowatt amplifiers, state-of-the-art low-noise receiver preamplifiers, new propagation modes and how to use them, portable beams for 2 meter mountain-topping,



and more.

The number of hams using very low power -- QRP -- also continued to grow, with equipment and portable HF antennas featured in *QST* articles, as well as reports of QRP use by hikers and mountain-climbing hams.

Repeaters for 2 meter FM operation were becoming very popular, and their numbers were growing rapidly. *QST* described how to build repeater duplexers, control equipment, antennas, and control links, and it kept repeater control operators informed of relevant FCC rules as they were developed.

Amateur Radio satellites continued to attract more and more attention. *QST* articles provided information to encourage and help hams get up and running on the satellites. Topics covered in those many articles included how to plot satellite orbits, build beams that could be rotated in both azimuth and elevation, construct circularly polarized beams, determine when you can use the satellites for contacts over a given path, along with other tips and information. As each new OSCAR was built and launched, *QST* carried announcements and

information on how to use it.

A nice article on "The \$22,000,000.00 Ham Shack" appeared in the April 1970 *QST*. No, it wasn't an April Fool's article. It told of the first flight of the new Boeing 747, with WA7IBL using one of the aircraft's radios to make HF SSB contacts.

As the 1970s rolled along, many homeowners purchased hi-fi and stereo audio equipment. Most consumer electronic equipment was not built to reject interference from ham transmitters, however. Articles in *QST* during the 1970s told hams how to deal with those interference issues.

In 1970, the much-anticipated Heath SB-220 HF kilowatt linear amplifier came on the market, with a selling price of \$350.

As transistors' performance continued to improve, homebrew solid-state equipment became progressively more popular. *QST* reported on many interesting projects that used transistors, including VFOs, QRP rigs, receivers and receiver preamplifiers, transmitting linear amplifiers, and accessories. -- Al Brogdon, W1AB

## Upcoming HamFests:

### 08/23/2014 | 16th Annual CFARS Swapfest

**Location:** Fayetteville, NC

**Type:** ARRL Hamfest

**Sponsor:** Cape Fear Amateur Radio Society

**Website:** <http://www.cfarsnc.org/>

### 08/30/2014 | North Carolina State Convention (Shelby Hamfest)

**Location:** Shelby, NC

**Type:** ARRL Convention

**Sponsor:** Shelby Amateur Radio Club

**Website:** <http://www.shelbyhamfest.org>

## Ham Humor:

An elderly ham and his XYL were on a cruise and it was really stormy. They were standing on the back of the boat watching the moon, when a wave came up and washed the old woman overboard. They searched for days and couldn't find her, so the captain sent the old ham back to shore with the promise that he would notify him as soon as they found something. Three weeks went by and finally the old man

got a fax from the boat. It read:

"Sir, sorry to inform you, we found your wife dead at the bottom of the ocean. We hauled her up to the deck and attached to her posterior was an oyster and in it was a pearl worth \$50,000 . .please advise"

The old man faxed back:

"Send me the pearl and re-bait the trap!"

## Lost, But not found:

One LOM Report!

## Johnston County Amateur Radio Service:



FOR IMMEDIATE RELEASE:

Johnston County ARES

CONTACT: Michael Callam

Email:

[kd4ujc@centurylink.net](mailto:kd4ujc@centurylink.net)

Website URL:

<http://www.johnstontyares.com/>

Four Oaks, NC,  
8/16/2014

With generous help from the Carolina 440 UHF Linked System Johnston County ARES has completed the installation of a County wide VHF Winlink system. The system allows sending and receiving of email using Amateur Radio and covers all of Johnston County and parts of the surrounding Counties. It consists of two fixed and one mobile Winlink gateway, two packet nodes located at commercial repeater sites and several transportable clients.

- END -

Amateur Radio Emergency Service or ARES, provides emergency communications during disasters or other crises. The Johnston County chapter provides services to Johnston County.

Johnston County ARES is comprised of FCC licensed amateurs from Johnston and surrounding counties.

Any FCC licensed amateur possessing a technician license or higher may apply for membership.

Johnston County ARES holds meetings the second Monday of each month at 7 PM at the American Red Cross office located at 805-A South 3<sup>rd</sup> Street in Smithfield.

We also hold a monthly training net that is open to any licensed amateur, regardless of whether you are an ARES member or not. These nets are held the fourth Thursday of each month at 7 PM on 444.875+ pl 100.0.

If you would like more information on Johnston County ARES, feel free to contact Michael Callam, ARES-EC at: [KD4UJC@centurylink.net](mailto:KD4UJC@centurylink.net) or you can call (919)934-9623.

### JARS Officers 2014

Pres.	Robbie Wheeler	KD4WIY
VP	Billy Newton	KJ4ZKG
Sec	Renee Nichols	KK4QQM
Treas.	Paul Dunn	KD4BJD
Member.	Mike Callam	KD4UJC
Net Whip	Van Lee	KM4TC

Editor     Mike Callam     KD4UJC

Ham of the Year-  
Doug Williams KS4TI

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That's it for another edition of  
the "*Official Organ*".

Hope to see everyone at the  
meeting this Thursday.

73 de KD4UJC