

The “Official Organ”

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

August 2019 edition

JARS Meeting This Thursday:

Our monthly JARS meeting is this Thursday at Grandsons Buffet located at: 1273 N Brightleaf Blvd, Smithfield, NC 27577. Get there around 6pm to eat and the meeting will start at 7pm. This is a very important meeting as we will be electing officers for 2019/2020.

In this month’s “Official Organ:

In this month’s “Official Organ”:

President Comments

Vice President Comments

Secretary reports

Membership

Net Whip

Life on the Farm

Laurel VE Team

JARS Movie Outing

ARRL News

Ham Humor

Johnston County ARRL VE Team

President’s Comments:

I have been a JARS member for over 26 continuous years. During that time, I have the membership chair. I have had the privilege and honor to rise to the position of President not once, but twice.

I graciously appreciate the confidence the members have given me to hold the highest position in the club. I would like to thank the membership and most importantly, the officers that were elected with me on both occasions. During my 26 years as a JARS member, the club has seen it’s ups and downs. More ups than downs. I have seen many members come and many members go. With that being said, I feel that it is time to get some of the newer members into leadership positions as they may have newer/better ideas on how to keep the club going in a forward position. That is the main reason that I am not seeking re-election as president.

Also, I want to focus more on the newsletter/media position. I have created a channel on YouTube for Johnston Amateur Radio Society. Also, since I am retired, I want to get out n the community with JARSComm and make JARS more visible in the community and educate the public as to who and what we are and what we are capable of doing.

Again, thank you to you, the members, for allowing me to be your president on two separate occasions.

Vice President's Comments:

From your Vice-President

Scott Wilkinson KJ4TUC

Our next regular club meeting will be:

Thursday, August 15, at 6:30 pm

Grandson Buffet

1273 (North) Brightleaf Blvd.

Smithfield NC 27577

Directly in front of Wal-Mart

We usually gather between 6:00-6:30 pm for supper and our business meeting will start at 7:00 pm

Be sure to tell the cashier you are with the JARS Club.

Visitors with an interest in Ham Radio are always welcome.

Educational Program:

There is not a guest speaker scheduled for our August meeting, because this is the last official meeting of the term and we have a lot of business to discuss including voting on new officers that will take over in September and planning for Jars-Fest.

Upcoming JARS Event:



CERT training class in Benson NC

Benson Fire Department

313 (South) Elm Street,

Benson NC 27504

Friday - October 11, 6:00 PM – 9:00 PM

Saturday - October 12, 9:00 AM – 5:00 PM

Sunday - October 13, 9:00 AM – 5:00 PM

You **MUST** attend all 3 days to receive your certification.

It is 21 classroom hours, that's the equivalent of a semester college class crammed into 3 days.

Sign Up: You **MUST** sign up on the CERT/NC-EM web site to take this class.

Click on link below:

For JARS members:

When signing up there is a long form to fill out creating a personal account:

On page 2 **{Response Profile}** it will ask for specific information.

Fill in all required information except BADGE.

Fill in the following information:

OCCUPATION / EMPLOYMENT DETAILS:

Facility: Johnston Amateur Radio Society

P O Box 302

Benson NC 27504

Position: Amateur Radio Operator

Shift and rate information: Volunteer / (shift) A

EMPLOYMENT VERIFICATION: Supervisor: Scott Wilkinson

KJ4TUC@hotmail.com

919-218-8166

If anyone has any questions, give me a call

Link to CERT Sign Up page:

<https://terms.ncem.org/TRS/courseDesc.do?sourcePage=courseSearch&cofid=119718>

Upcoming Events:

Mule Days in Benson NC,

September 26-29, 2019

Upcoming Events:

Jars-Fest in November

Our next JARS major event will be **Jars-Fest**, our Ham Fest in November.

The Jars-Fest planning committee appointments will be made at the end of the August meeting. This will be the first committee formed under the new administration. All members are invited to participate. More information on the Ham Fest will be available after this committee gets organized.

EMERGENCY PREPARATION:

As we are enjoying this nice summer weather, it's easy to forget that hurricane season is just around the corner. Now is the time to get prepared. Be sure to listen to the **PREP NET** every **Tuesday night at 9:pm on the 147.27 repeater**, hosted by Doug Williams KS4TI. Doug is our resident expert on emergency preparation and the PREP NET is designed to give us tips on how to survive in all types of emergencies.

So, if you have questions on what supplies you need to stock up on, generators, food preparation and storage without electricity, and what to do when the lights go out, tune in on Tuesday nights.

For more information on Emergency Preparation:

https://readync.org/EN/Plan_MakeAPlan.html

Name & Call Sign Badges

Custom badges with JARS logo

http://hambadger.com/index.php?route=product/category&path=75_77

Magnetic car decals:



Magnetic car decals with the JARS logo will present a professional image at Ham Radio events or community events, and will identify your car as a JARS member on official business if assisting public safety or emergency management.

If you would like to place an order, contact Mike Callam KD4MC

JARS Logo Shirts: (T-Shirts and Golf Shirts)

If anyone still wants to order a shirt, contact Paulette Disbrow KM4RMW, or come to the next club meeting. These are really nice shirts. It will identify you as a JARS member. Nice to wear at any Ham Radio event, if deployed on JARSCOM, Jars Fest, or anytime you are representing the JARS Club, or inside the JoCo Emergency Operations Center working alongside public safety dispatchers.

Secretary's Report:

Minutes from JARS July 2019 meeting

Meeting was called to order at 7pm by President Mike Callam-KD4MC

Wendy May led us in our opening prayer

Introductions were made.

Our program was presented by Linda Royster, KJ4ULR, on Community Emergency Response Team, (C.E.R.T.).

Vice President, Scott Wilkinson, KJ4TUC-Scott encourages that we take the C.E.R.T. training.

JARSComm is ready for action. He wants us to show off JARSComm to the Sheriff's Department.

According to the Johnston County SOP, amateur radio is at the bottom of the list for call outs. Scott would like for us to work on getting us moved further up on the list. Scott inquired on the possibility of getting a link to the JARS

website included on the Johnston County website. Mike said that he would look into finding out how that could be done.

Secretary, Velda Callam, K4VJC-Themminutes are in the newsletter.

Treasurer's Report, Paul Dunn, KD4BJD Was not present

Repeater Report, Vann Lee, KM4TC-The repeater is working

Membership Report, Dianne Young, KE4VNX-Presented an application for membership, Troy, a retired major from the Wake County Sheriff's office and a member of Wake EMS Board. Scott has known him for 30 years and thinks that he would be good in emergency communications. Troy was voted in as a member.

Net Whip Report, Stephen Fowler, KJ4QNW-needs net controller for Monday and Saturday. until Robbie Keene is able to resume calling the net, we need a net control for Tuesday. Calling the nets is a good way to get familiar with the call sign and names of the members and is a lot of fun.

Media/Newsletter, Mike Callam, KD4MC- This is club newsletter and everyone has something that they could contribute. Whether it is a new radio, review of a product, pictures of their hamshack or mobile installation. Mike needs all submissions by the Friday prior to the meeting so that he can get the newsletter out the Saturday prior to the meeting.

Old Business:

Nomination Committee presented the following:

President- Scott Wilkinson KJ4TUC

VP - Billy Newton KJ4ZKG

Secretary- Velda Callam K4VJC

Treasurer- Paul Dunn KD4BJD

Membership Diane Young KE4VNX

Net Whip Stephen Fowler KJ4QNW

Media/Newsletter Mike Callam KD4MC

Members at Large Stan Disbrow WA2KQY,
Gerald Conkling K3CON, Bill Blomgren KK4QDZ

We will be voting on our new officers at our meeting in August. Also, at that time, we will again take nominations from the floor

Paul is in the process of having someone troubleshoot the electronic system in JARSComm. After that we will install three public safety radios in the vehicle so that we should be able to communicate with anyone that we need to. Special training will be required to operate the public safety radios.

New Business: Richard Futrell, N4AED, has a badge making business and wants us to declare them as the official maker of badges for JARS, in which he will give JARS members a 10% discount on the JARS badges. The sizes are small, medium and large and will include either a magnetic clip or the pin on clip.

Scott Wilkinson, KJ4TUC presented the following motion: I so move that Richard Futrell and Eric Palmatier, representing the company Ham Badgers, be designated as the official badge maker (or badge fabricator) for the JARS organization. This motion was seconded and approved by the members at the meeting.

There was list passed around for those interested in the C.E.R.T. training to sign. We need at least 10 members and no more than 30 for the basic training class.

A card was passed around by Dianne Young, KE4VNX, for Robbie Keene and his wife to sign. She has been diagnosed with cancer.

Meeting was adjourned at 817pm by President Mike Callam, KD4MC

Minutes from JARS August 2018 Board Meeting:

Meeting called to order at 7pm by President Mike Callam, KD4MC

President- Mike Callam, KD4MC, expressed his gratitude for being the president for the past year and thanked the officers for supporting him in this role. Mike also said that he did a TV interview on WARZ<}, TV 34.1 on JARS and amateur radio in general. It will be aired on Sunday around 7pm. The video will be posted on JARS social media as soon as possible.

Vice President- Scott Wilkinson, KJ4TUC, there will be no program for this month's meeting as it is election night. We need to get a link on the JARS website to hambadgers.com. We also need to have our website updated to show our meetings are being held at Grandsons in Smithfield. Scott talked with Ryan Leathers, N4RL, and he does wish to be parliamentarian for next year. Whoever gets the position, the club will provide then a copy of Roberts Rules of Order. Mark Gibson, N4MQU was suggested as replacement.

Secretary-Velda Callam, K4VJC said that the minutes from last month's board meeting were in the newsletter.

Membership- Dianne Young, KE4VNX, said that there were no new applications for membership.

Net Whip-Stephen Fowler, KJ4QNW, still needs net controllers for Monday, Thursday and Saturday.

Meeting was adjourned at 7:14pm

Members Present:

Mike Callam, KD4MC- President

Scott Wilkinson, KJ4TUC-Vice President

Velda Callam, K4VJC-Secretary

Dianne Young, KE4VNX- Membership

Stephen Fowler, KJ4QNW- Net Whip

Bill Blomgren, KK4QDZ

Stan Disbrow, WA2KQY

Submitted by: Velda Callam, K4VJC, Secretary

Membership Report:

Dianne Young, KE4VNX reported that at this time, she has no new applications for membership

Net Whip Report:

Stephen Fowler, KJ4QNW, still needs net controllers for Monday, Thursday and Saturday. Calling the nightly net is a lot of fun and it gives you a chance to become familiar with the call signs and names of the members

Life on the Farm:

It has been hotter than Satan's butt crack here on the farm. Velda, I and the animals have been pretty much staying on the cool side of the walls quite a bit. That is, except for when either Velda or I have a doctor's appointment, (which

has been quite a lot here lately). It has been so hot that the smaller trees are getting under the larger trees for some shade. Luckily, this summer, we have only had to execute one snake.

We will be having new neighbors in the near future. Someone is building a house on the land next to ours. So far, they seem to be nice people. It is two adults and a small child.

I did get out this week and knock the tops off of the weeds and it was so hot, that I glad when I finished. One more hour, and I don't know if I could have made it back to the house. I even drank 40 ounces of water when I was out there and wore loose fitting clothes and a breathable hat with a wide brim. It will have to get bone chilling cold this winter before I complain. In the winter I can always put on more layers of clothing to keep warm. However, I can only take off so many clothes before the neighbors and Velda start complaining.

That does it for "Life on the Farm" for this month.

73 from Mike, (KD4MC), aka C3PO, Velda, (K4VJC), Mouse, Remington, (Hairy Hound), Tabitha (Krazy Kat), Midnight (Tom Kitty) and Sandy (Dog and a half long, half a dog high and two dogs hyper) and Fluff, (Little Ball of Fur).

Five County VE Team:

The Five County Volunteer Examiners Team will be offering free Amateur Radio Exams on the first Saturday of September, October and November.

September 7
October 5
November 2

We will start at 9:00 AM. The address is Thanksgiving Fire Department

2375 Thanksgiving Road, Selma, NC 27576.
Register at <http://n4mqu.com/> or call Five
County VE Hotline (919) 628-0096

Thank you.

Mark Gibson

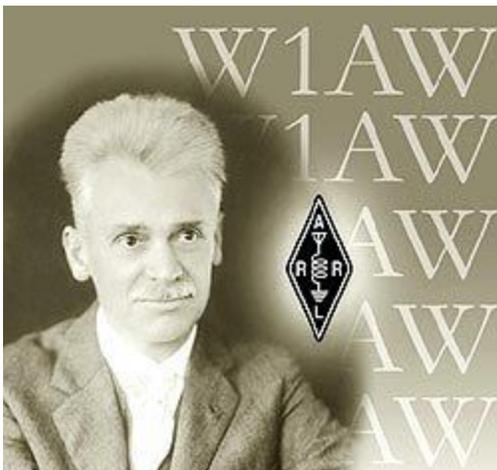
JARS Movie Outing:

Our next movie outing will be next Sunday,
August 18th at the Smithfield Cinemas. Once
they post the listings, it will be sent out via e-
mail.

ARRL News:

Free Hiram Percy Maxim 150th Birthday Event
Logging Software Now Available

Scott Davis, N3FJP, perhaps best known for the
ARRL Field Day software that bears his call sign,
has developed a free logging program for
ARRL's [Happy 150! Hiram Percy Maxim Birthday
Celebration](#) on-the-air event that gets under
way on August 31 and runs for 9 days. Davis
calls his software [Hiram Percy Maxim Contest
Log 1.0](#). Maxim, 1AW, who cofounded ARRL,
was born on September 2, 1869.



"I've
never

created a program for a non-recurring event
before, because the coding time required is too
large," Davis said in a post to the *N3FJP*

software user group. "I've made this exception
because this is a really nice, simple rule set with
the very popular field day-style exchange that
has the added bonus in schedule flexibility of
running for 9 days. The Hiram Percy Maxim
celebration sure looks like a well-designed
event that will be a lot of fun for us all."

The Happy 150! event will begin at 0000 UTC on
August 31 and continue until 2359 UTC on
September 8. It is open to all radio amateurs.
The goal is straightforward: Contact as many
participating stations as possible. W1AW and *all*
ARRL members will append "/150" to their call
signs during this event (DX operators who are
ARRL members may operate as *<call sign>/150*,
if permitted by their country of license.)
Participating stations will exchange a signal
report and [ARRL/RAC Section](#). DX stations will
send a signal report and "DX." All Amateur
Radio bands except 60, 30, 17, and 12 meters
are available. Permitted modes are CW, any
voice mode, and digital.

Davis said *Hiram Percy Maxim Contest Log 1.0* is
full featured and "very easy and intuitive to
use."

"If the Hiram Percy Maxim celebration is
received as strongly as it appears, my hope is
that ARRL will decide to make this an annual
event," Davis allowed. "After all, birthdays
come once a year, and we now have the
infrastructure to continue."

One Dead, One Injured in New Hampshire Ham
Radio Tower Mishap

A tower dismantling turned tragic on Saturday,
July 27, in Deerfield, New Hampshire, when two
radio amateurs working some 40 feet up on the
tower were carried to the ground when the
structure collapsed. Joseph Areyzaga, K1JGA,
52, of Goffstown, New Hampshire, did not
survive injuries sustained in the fall, while the

tower's owner, Michael Rancourt, K1EEE, 65, was seriously injured and remains

hospitalized. Rancourt was taking down the tower in preparation for selling his house, and the pair had nearly completed their work. They were tied into the tower and went down with it as it collapsed.



Joseph Areyzaga, K1JGA.

The tower, a tilt-over model said to be 40 to 50 feet, had been bolted to prevent it from tilting as it was being dismantled.

A law enforcement source said a number of people were at the site for a social gathering as the tower was being taken down, and they witnessed the tragedy.

No official determination has been made regarding the cause of the structural failure, but a radio amateur who visited the scene afterward observed that two of the tower's three legs were clearly compromised and split cleanly and the third leg bent, just above the fully intact tilt base.

The New Hampshire Amateur Radio tower-related fatality is the second such deadly incident in a little more than 6 weeks. In mid-June, a Pennsylvania radio amateur died when the tower he was installing collapsed as he was attempting to attach a guy line to the structure's bottom section.



DXpedition Team Donates Part of QSL Fees to Galapagos Conservancy

From February 28 until March 6, the HD8M Amateur Radio team operated from the side of Cerro Crocker, a volcano high above the city of Bellavista on Santa Cruz Island in the Galapagos. The HD8M team consisted of Jim Millner, WB2REM, a retired psychologist, and Bill Mims, W2WCM, a retired airline pilot. The purpose of the operation was to bring attention to the fragile ecosystem of the Galapagos Islands through their Amateur Radio activity. As a part of the confirmation process, the team exchanged QSL cards from which a dollar or more would be donated to Galapagos Conservancy.



Bill Mims, W2WCM (left), and Jim Millner, WB2REM, at HD8M. [Photo courtesy of Jim Millner, WB2REM]

"We used ClubLog's Online QSL Request System (OQRS), bureau requests associated with ClubLog, and SASEs for QSLing," Millner explained. "When stations used OQRS and requested a direct QSL Card, they were charged a \$4 fee. We mentioned in the OQRS system

that of every \$4 received, were going to donate \$1 to the Galapagos Conservancy. As it turned out, however, we donated all extra money to the Conservancy."

At the time, the HD8M team was the only Amateur Radio operation in the Galapagos Islands, making it a rare entity, so they found themselves in high demand. In just 6 days of operation, they contacted more than 8,000 stations in 140 DXCC entities as well as in all 50 US states.

Millner and Mims operated two stations equipped with Icom IC-7300s and band-pass filters, operating on SSB, CW, and FT8, and using all wire antennas. HD8M took part in the ARRL International DX Phone and, despite poor conditions on the equator, they were able to make more than 600 contacts. "FT8 was a particularly a good mode despite the conditions," Millner said, noting that the location at 1,500 feet elevation on the side of a volcano gave the pair "an amazing view" of the ocean and outlying islands. "The wildlife was abundant with many colorful birds and land iguanas, as well as huge Galapagos tortoises that roamed around the 10-acre property.



In addition, they added a fundraising component to their outreach and on their [website](#), where donations were made directly to Galapagos Conservancy. As a result of HD8M's unique approach to fundraising, they were able to donate \$2,285 to the Galapagos Conservancy in April. In September 2017, the HD8M team operated from Isabela Island, and amassed \$1,200 in donations to the Conservancy. -- *This is an expanded version of a*

story that appeared in Galapagos News spring/summer 2019 issue and appears by permission.

One Dead, One Injured in New Hampshire Ham Radio Tower Mishap

A tower dismantling turned tragic on Saturday, July 27, in Deerfield, New Hampshire, when two radio amateurs working some 40 feet up on the tower were carried to the ground when the structure collapsed. Joseph Areyzaga, K1JGA, 52, of Goffstown, New Hampshire, did not survive injuries sustained in the fall, while the tower's owner, Michael Rancourt, K1EEE, 65, was seriously injured and remains

hospitalized. Rancourt was taking down the tower in preparation for selling his house, and the pair had nearly completed their work. They were tied into the tower and went down with it as it collapsed.



Joseph Areyzaga, K1JGA.

The tower, a tilt-over model said to be 40 to 50 feet, had been bolted to prevent it from tilting as it was being dismantled.

A law enforcement source said a number of people were at the site for a social gathering as the tower was being taken down, and they witnessed the tragedy.

No official determination has been made regarding the cause of the structural failure, but a radio amateur who visited the scene afterward observed that two of the tower's three legs were clearly compromised and split

cleanly and the third leg bent, just above the fully intact tilt base.

The New Hampshire Amateur Radio tower-related fatality is the second such deadly incident in a little more than 6 weeks. In mid-June, a Pennsylvania radio amateur died when the tower he was installing collapsed as he was attempting to attach a guy line to the structure's bottom section.



DXpedition Team Donates Part of QSL Fees to Galapagos Conservancy

From February 28 until March 6, the HD8M Amateur Radio team operated from the side of Cerro Crocker, a volcano high above the city of Bellavista on Santa Cruz Island in the Galapagos. The HD8M team consisted of Jim Millner, WB2REM, a retired psychologist, and Bill Mims, W2WCM, a retired airline pilot. The purpose of the operation was to bring attention to the fragile ecosystem of the Galapagos Islands through their Amateur Radio activity. As a part of the confirmation process, the team exchanged QSL cards from which a dollar or more would be donated to Galapagos Conservancy.



Bill Mims, W2WCM (left), and Jim Millner, WB2REM, at HD8M. [Photo courtesy of Jim Millner, WB2REM]

"We used ClubLog's Online QSL Request System (OQRS), bureau requests associated with ClubLog, and SASEs for QSLing," Millner explained. "When stations used OQRS and requested a direct QSL Card, they were charged a \$4 fee. We mentioned in the OQRS system that of every \$4 received, were going to donate \$1 to the Galapagos Conservancy. As it turned out, however, we donated all extra money to the Conservancy."

At the time, the HD8M team was the only Amateur Radio operation in the Galapagos Islands, making it a rare entity, so they found themselves in high demand. In just 6 days of operation, they contacted more than 8,000 stations in 140 DXCC entities as well as in all 50 US states.

Millner and Mims operated two stations equipped with Icom IC-7300s and band-pass filters, operating on SSB, CW, and FT8, and using all wire antennas. HD8M took part in the ARRL International DX Phone and, despite poor conditions on the equator, they were able to make more than 600 contacts. "FT8 was a particularly a good mode despite the conditions," Millner said, noting that the location at 1,500 feet elevation on the side of a volcano gave the pair "an amazing view" of the ocean and outlying islands. "The wildlife was

abundant with many colorful birds and land iguanas, as well as huge Galapagos tortoises that roamed around the 10-acre property.



In addition, they added a fundraising component to their outreach and on their [website](#), where donations were made directly to Galapagos Conservancy. As a result of HD8M's unique approach to fundraising, they were able to donate \$2,285 to the Galapagos Conservancy in April. In September 2017, the HD8M team operated from Isabela Island, and amassed \$1,200 in donations to the Conservancy. -- *This is an expanded version of a story that appeared in Galapagos News spring/summer 2019 issue and appears by permission.*

Dhruv Rebba, KC9ZJX, is 2019 *Newsline* Young Ham of the Year

Fifteen-year-old ARRL member Dhruv Rebba, KC9ZJX, of Normal, Illinois, has been selected as the 2019 Bill Pasternak, WA6ITF, Memorial *Amateur Radio Newsline* Young Ham of the Year (YHOTY). His parents are Hari Rebba, VU2SPZ, and Shailaja Panyam. A rising sophomore at the Normal Community High School, Dhruv is a member of the Central Illinois Radio Club. He has been licensed since 2013, after a visit to Dayton Hamvention® with his dad sparked his interest in Amateur Radio.



Dhruv Rebba, KC9ZJX, operates PJ2Y from Curacao Island during the 2018 Dave Kalter Youth DX Adventure. [Photo courtesy of KC9ZJX]

After getting his license, Dhruv became involved in ARRL Field Day and public service events with the Central Illinois Radio Club, including the We Care Twin Cities Half Marathon and the Hop on for Hope Bike Ride/Walk. Dhruv says he found a way to combine his interest in space and engineering with his new hobby, joining AMSAT and pursuing his dream of a school contact with an astronaut aboard the International Space Station.

In October 2017, he served as lead control operator for an Amateur Radio on the International Space Station (ARISS) contact with students at his school, Chiddix Junior High, who spoke to astronaut Joe Acaba, KE5DAR. On July 27 of this year, Dhruv helped to facilitate another ARISS contact with Scouts attending the World Scout Jamboree in West Virginia.

ARISS presentations at Dayton and Huntsville, Dhruv's selection as an ARISS mentor, and networking with those putting together the ARISS contact for the World Scout Jamboree led to his involvement in the July 27 contact.



In 2018, Dhruv was

selected to take part in the Dave Kalter Memorial Youth DX Adventure. He traveled to Curacao last summer, where the PJ2Y team logged a record 6,262 contacts with 135 entities. His favorite mode is SSB.

Dhruv has earned many accolades for his Amateur Radio pursuits, including the Young Ham Lends a Hand Award at the 2019 Dayton Hamvention Youth Forum; a Presidential Award from AMSAT, and the Radio Club of America Young Achiever Award. He also has traveled to India to promote Amateur Radio awareness.

The Young Ham of the Year was established in 1986 by *Amateur Radio Newsline* cofounder Bill Pasternak, WA6ITF (SK), in 1986. Dhruv will receive the 2019 YHOTY award during the Huntsville Hamfest on August 17. Read [more](#). -- *Thanks to Amateur Radio Newsline*

Follow ARRL on Social Media
arrrl.org/arrrl-social-media

Facebook @ARRL.org	Instagram @arrlinc
Twitter @ARRL @W1AW @ARRL_ARES	IGTV @arrlinc
LinkedIn ARRL, the national association for Amateur Radio	YouTube @ARRLI1Q

Debco
Electronics, Inc.

RF Patch Cables, Coax Crimping & Stripping Tools, RF Connectors, Powerpole Crimpers and Connectors

RF Connector Questions? Call Tom at 800-423-4499

Full Line of Crimpers & RF Connectors at...

www.Debcoelectronics.com

AMSAT President Asks Members to Help Keep Amateur Radio in Space

"It takes considerable volunteer effort and real dollars to keep Amateur Radio in Space," AMSAT President Joe Spier, K6WAO, has reminded the organization's members in a

message that included an invitation to the



organization's 50th anniversary [Space Symposium and Annual Meeting](#) in October. In addition, Spier put out a call for "important assistance" in the areas of User Services and Engineering (prospective volunteers may [contact Spier via email](#)).

"AMSAT has several fundraising needs," Spier said, noting that contributions to AMSAT are tax deductible to the extent permitted by IRS rules. "The daily operation of AMSAT is accomplished by donations to the General Fund. The other main department needs are the fund for GOLF 3U CubeSats design/construction and Amateur Radio on the International Space Station (ARISS)."



AMSAT-NA President Joe Spier, K6WAO.

Spier pointed to the 2018 successes of AO-92 (Fox-1D) and the launch of AO-95 (Fox-1Cliff). "AMSAT partnered with Spaceflight Inc. by contracting and paying for these launches," Spier noted. "Fundraising for Fox-series satellites has not

yet recouped this expenditure, so donations are still being accepted." AMSAT expects to launch

of RadFxSat-2 (Fox-1E), in partnership with Vanderbilt University, by the end of summer. AMSAT is also partnering with several universities to fly the same linear transponder on their CubeSats.

AMSAT has been selected for two CubeSat Launch Initiative (CSLI) opportunities for GOLF-TEE and GOLF-1. "GOLF's 3U spaceframe is being designed with versatility to add mission-specific radios, power supplies, and experiments," Spier noted. "A series of GOLF CubeSats will provide better coverage, and a greater footprint will allow more coverage by fewer satellites."

One-time or recurring [donations](#) to AMSAT and ARISS are welcome.

AMSAT President Asks Members to Help Keep Amateur Radio in Space

"It takes considerable volunteer effort and real dollars to keep Amateur Radio in Space," AMSAT President Joe Spier, K6WAO, has reminded the



organization's members in a message that included an invitation to the organization's 50th anniversary [Space Symposium and Annual Meeting](#) in October. In addition, Spier put out a call for "important assistance" in the areas of User Services and Engineering (prospective volunteers may [contact Spier via email](#)).

"AMSAT has several fundraising needs," Spier said, noting that contributions to AMSAT are tax

deductible to the extent permitted by IRS rules. "The daily operation of AMSAT is accomplished by donations to the General Fund. The other main department needs are the fund for GOLF 3U CubeSats design/construction and Amateur Radio on the International Space Station (ARISS)."



AMSAT-NA President Joe Spier, K6WAO.

Spier pointed to the 2018 successes of AO-92 (Fox-1D) and the launch of AO-95 (Fox-1Cliff). "AMSAT partnered with Spaceflight Inc. by contracting and paying for these launches," Spier noted. "Fundraising for Fox-series satellites has not

yet recouped this expenditure, so donations are still being accepted." AMSAT expects to launch of RadFxSat-2 (Fox-1E), in partnership with Vanderbilt University, by the end of summer. AMSAT is also partnering with several universities to fly the same linear transponder on their CubeSats.

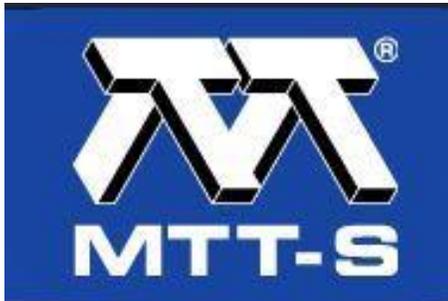
AMSAT has been selected for two CubeSat Launch Initiative (CSLI) opportunities for GOLF-TEE and GOLF-1. "GOLF's 3U spaceframe is being designed with versatility to add mission-specific radios, power supplies, and experiments," Spier noted. "A series of GOLF CubeSats will provide better coverage, and a greater footprint will allow more coverage by fewer satellites."

One-time or recurring [donations](#) to AMSAT and ARISS are welcome. Read [more](#).

IEEE Microwave Theory and Techniques Society Seeks Student CubeSat RF Hardware Proposals

The IEEE Microwave Theory and Techniques Society ([MTT-S](#)) has announced the [MTT-Sat Challenge](#) for groups of students developing RF hardware for CubeSat applications. The MTT-Sat Challenge is a worldwide competition for teams of undergraduate and graduate students to design and build RF hardware for small satellites. The most promising designs will undergo space environmental qualification testing and could be incorporated into an actual CubeSat.

"The main goal of the MTT-Sat Challenge is to advance space RF and



microwave education, inspire students to pursue science and engineering education and careers, and prepare tomorrow's leaders with the interdisciplinary teamwork skills, which are necessary for success," the society said in announcing the competition. The MTT-Sat Challenge is intended to run over 4 academic years (starting in June 2019) and is divided into several phases spanning overall technology readiness levels. Proposals may be submitted for every phase.

At this time, the IEEE MTT-Sat Challenge is calling for ideas that could come from among the following fields: Transceivers based on commercial of the shelf (COTS) components; antenna systems and arrays for CubeSats; ground terminals for low-earth orbit (LEO) satellites; radiation-hardened electronics based on COTS components; inter-satellite communication; electromagnetic sensors for

CubeSats, and novel RF technologies for space applications.

[Detailed information](#) is available on the MTT-Sat Challenge. The submission deadline is October 2, 2019, 0900 UTC (October 1, 11 PM HST). Those planning to submit proposals should [send](#) a brief letter of interest by August 31.

Cass Award Winners Announced



Janusz Wegryzn, SP9FIH, receives the Single-Operator Cass Award plaque from his sister, Elzbieta.

Janusz Wegryzn, SP9FIH, has been named the winner of the 2018 Single-Operator [Cass Award](#) for the second year in a row.

While active from Sint Eustatius Island as PJ5/SP9FIH in March 2018, Wegryzn contacted 8,257 unique stations during the 14 days of his one-person DXpedition.

The 3C0W Annobon Island DXpedition team was the recipient of the first Unlimited Cass Award for its effort in

logging as many DXers as possible. During March 2018, Girts Budis, YL2KL; Yuris Petersons, YL2GM, and Kaspars Uztics, YL1ZF, contacted 18,812 unique call signs on the DXpedition.



Vilnis Vosekalns, YL2KF (left), presents the Unlimited Cass Award plaque to YL2KL, YL2GM, and YL1ZF during the Latvian Amateur Radio League's summer gathering.

Sponsored by Club Log, DXLab, and the Northern California DX Club, the annual Cass Awards encourage DXpedition operating excellence by recognizing DXpeditions that contact the greatest number of unique call signs. Running leaderboards for the 2019 Cass [Single-Operator](#) and [Unlimited](#) awards are available on the Club Log website.

These awards honor the wisdom and spirit of Cass Cassidy, WA6AUD (SK), whose weekly stories in the *West Coast DX Bulletin*, published from 1968 to 1979, engaged a generation of DXers.

In Brief...

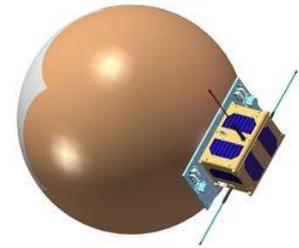


Ham radio volunteers assisted in the search for a missing teen this week. Many radio amateurs were among the fire and police

department personnel, search-and-rescue teams, and citizen volunteers who took part in the July 29 search in Sinking Springs, Pennsylvania, for a 13-year-old youth with autism who was missing from his home. Hams served as leads for volunteer search teams, and

ham radio provided solid communication with searchers. "We started the operation [at] about 1300 UTC, and he was located about 1900 UTC, safe," said Ralph Brandt, K3HQL. "Ham radio played a significant part in this." Brandt and Yvonne Roberts, AC3CM, handled communications during the search. Brandt said that about 25 of the radio amateurs taking part had been students in his Technician licensing classes. "It gives a good feeling when it works," said Brandt, who is the Affiliated Club Coordinator in the ARRL Eastern Pennsylvania Section.

The spherical Chinese CAS-7B (BP-1B) Amateur Radio satellite carrying an FM transponder launched on July 25 at 0500 UTC. Signals



from both the FM transponder and the telemetry beacon have been received. CAS-7B (BP-1B) was developed by the Chinese Amateur Satellite Group (CAMSAT) in cooperation with the Beijing Institute of Technology (BIT), and AMSAT has designated the satellite as Bit-Progress OSCAR 102 (BO-102). CAMSAT completed the project planning, design, build, and testing, and manages the satellite's on-orbit operation. BIT provided the satellite environmental testing, launch support, and financial support. Many students from BIT were involved with the project, learning about satellite technology and Amateur Radio. CAS-7B is expected to have a lifetime of about a month before reentry. The satellite was launched on Hyperbola-1 from Jiuquan into a 300-kilometer, 42.7° inclination orbit. The CW telemetry beacon transmits on 435.715 MHz; the V/U FM transponder downlink is 435.690 MHz (16 kHz passband), and the V/U FM transponder uplink is 145.900 MHz. Further information is available from [Alan Kung, BA1DU](#), at CAMSAT.



ARRL is seeking a Development Manager for full-time

employment at ARRL Headquarters in Newington, Connecticut. The Development Manager is responsible for the development and implementation of strategic plans to maximize funding from donors for the organization through creative and effective campaign management and relationship building. This individual holding this position is responsible for developing and managing fundraising campaigns, building strong and successful relationships, maintaining communication with donors, and collaborating with and supervising staff to effectively execute fundraising efforts, in addition to managing individual and corporate gifts. To apply, or for more information, see the complete opening announcement on the ARRL [Employment Opportunities](#) web page.

The FCC is seeking to hire an electronics engineer for a full-time, permanent position at the Commission's Enforcement Bureau, Office of Field Director in Columbia, Maryland.



The incumbent resolves RF interference, educates users, enforces regulations, and investigates all services for violations. This individual serves as a point of contact for FCC licensees in matters of fixed and mobile radio direction-finding and interference resolution, and initiates Official Notices of Violation, Warnings, Notices of Apparent Liability for Forfeiture, and other orders to radio operators and licensees. A Security Clearance is required. Apply by August 26. See the [job opening announcement](#) for details.

Ham Humor:

HOW TO COOK A HAM
(SCROLL DOWN FOR INSTRUCTIONS)

INGREDIENTS:

1 ea. HAM RADIO OPERATOR FULLY SEASONED,
WITH A TECH, GENERAL OR HIGHER LICENSE

1 ea. PARABOLIC REFLECTOR (100 FT DIAMETER)

1ea 1 MEGAWATT TRANSMITTER

1ea FCC (EXPERIMENTAL PERMIT)

1ea POUND BROWN SUGAR

PROCEDURE:

PLACE 1 ea. HAM INTO MAIN LOBE OF DISH AT THE FOCAL POINT AS IN PICTURE BELOW AND SECURE WELL.



BREAK, BREAK, BREAK!

COVER HIM WELL WITH BROWN SUGAR...
(It is sometimes best to start with a coating of honey)

TUNE TRANSMITTER TO 100GHZ FM,

APPLY FULL POWER UNTIL EYES OF HAM
START GLOWING GREEN....

MOVE BACK...THERE WILL BE YELLING AND
SCREAMING! (Protect your ears!)

.... CONTINUE RADIATING UNTILL HE YELLS
I'M QRT!

(Recipe courtesy of a Freebender who failed his
Tech exam!

The Johnston County ARRL VE Team will hold its next amateur radio license exam on Monday, August 26th at 7pm at the American Red Cross, located at 805-A S. 3rd Street in Smithfield. If you would like to register for the exam, contact Michael Callam, KD4MC at mcallam@centurylink.net. The cost is \$15.00. You will need a valid photo ID. If you already have an FRN, be sure to bring that with you. If you don't have an FRN, go to: <https://www.fcc.gov/wireless/systems-utilities/universal-licensing-system> and click on new user registration. If you are currently licensed or have been licensed, bring a copy of your license with you.

Johnston County ARRL VE Team:



JARS Officers

President	Mike	KD4MC
Vice Pres	Scott	KJ4TUC
Secretary	Velda	K4VJC
Treasurer	Paul	KD4BJD
Membership	Dianne	KE4VNX
Net Whip	Stephen	KJ4QNW
Media/Organ	Mike	KD4MC

Parliamentarian Ryan Leathers
N4RL

Members at Large:

Stan Disbrow WA2KQY

Doug Williams KS4TI

Johnston Amateur Radio Society, Inc.

P.O. Box 302

Benson, NC 27504



© Ron Leishman * www.ClipartOf.com/437614

That does it for this month's "*Official Organ*".

I look forward to seeing everyone at the meeting Thursday.

73 de KD4MC