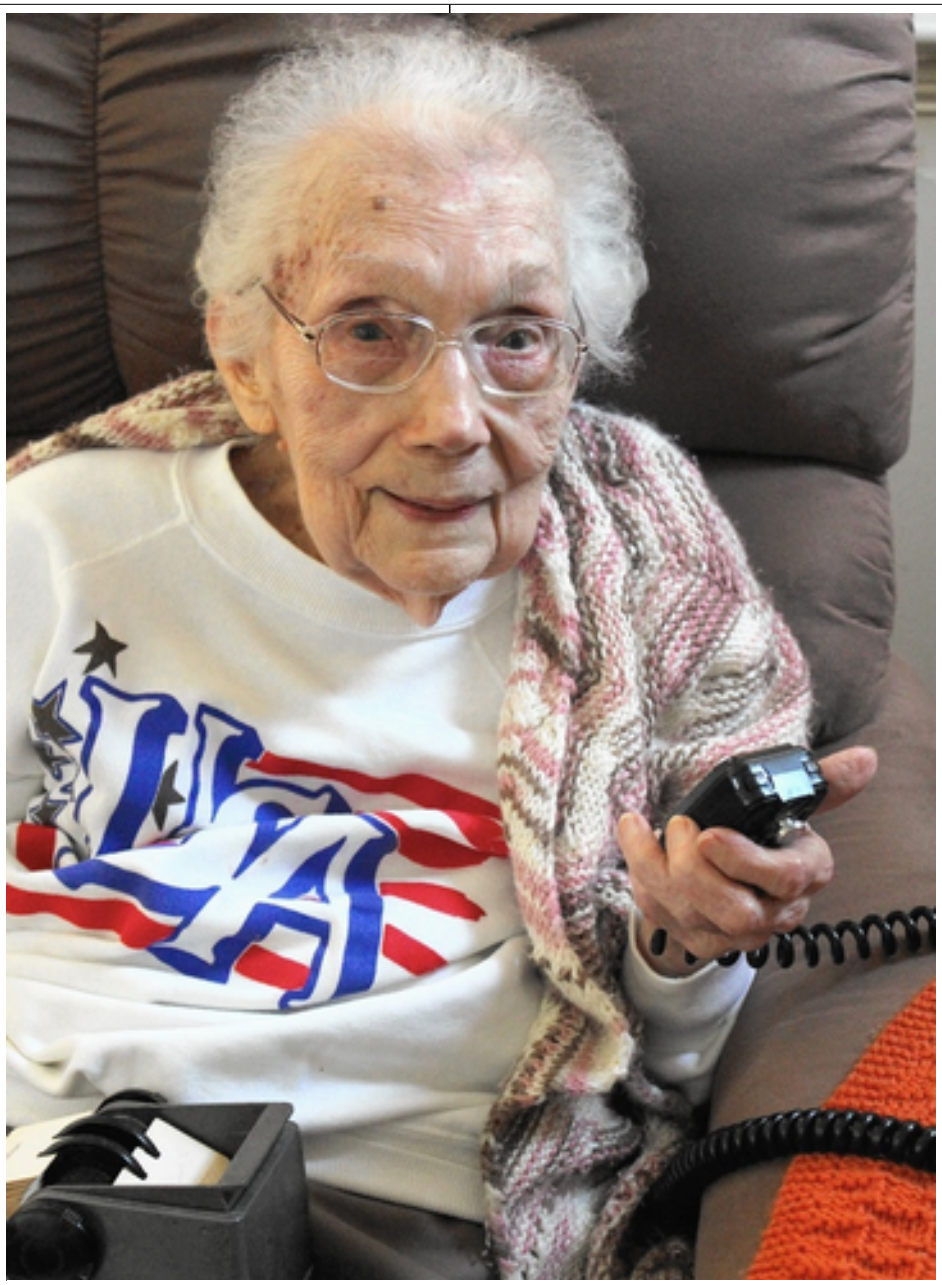
The Ham Arundel News

Providing Fellowship and Community Service through Amateur Radio Since 1951

January 2018 ***39th Year of Publication***



Margaret 'Holly' Bevan, N3MB, SK

March 20, 1916 – December 9. 2017

Margaret 'Holly' (nee Holloway) Bevan

On December 9, 2017 news came out that Miss Holly had passed away. Margaret "Holly' Bevan was 101+ years old. She was well known in the Anne Arundel area in several clubs and groups—the Arundel Camera Club and the Anne Arundel Radio Club to name but two.

She was born on March 20, 1916 in White Pine TN,, which lies between Roanoke, Va and Knoxville, TN. According to Wikipedia, the motto of the town now is "Honoring our history, preparing for our future". Then while Miss Holly was still a toddler, her family moved to Iowa where she grew up. She is an interesting lady and there's a story about how she got started in most of her diverse activities.

Our Miss Holly was in the first group to enlist in the U.S. Navy Waves (Women Accepted for Volunteer Emergency Service) a WWII branch of the Navy Reserve. In her billet, four of the 8 ladies were named Margaret, According to the announcement from the Arundel Camera Club, This is where our Margaret became 'Holly', a nickname from the WAVES. This was better than 'Maggie', as Miss Holly said that she never had a nick name. So 'Holly' came from her last name. She was reported to have said, "I don't know why, but it (changing her name to 'Holly') made me more outgoing

She reached the rank of Chief Store Keeper (SKC) before her discharge in March 1946. Miss Holly told Cathleen Shatt of the Capital Gazette that, "It sounded like it was something that might be fun," She said, "It was actually pretty boring."

One of her stations in the service was in Corpus Christi, TX. This is where she met and eventually married Wilbur Bevan. They met at an USO dance, both were stationed at the Corpus Christi naval station. They were married October 27, 1944 at the Navy chapel at the station.

Wilbur and Holly attended the University of Michigan at Ann Arbor utilizing their GI Bill. Miss Holly earned her Bachelor of Arts in Journalism in 1951. She aspired to be a writer, however these skills were utilized in the various club newsletters that she wrote for.

Then in 1951, Wilbur and Holly moved to California. Their son Michael was born there in 1952. Then, in 1953 the family moved to Maryland where they lived except for a two year period in the 1960's when Wilbur worked on Maui, Hawaii.

Miss Holly went back to school evenings and summers at the University of Maryland. She earned her teaching certificate and ultimately a Masters degree in Education form Johns Hopkins. She really wanted to be a lawyer but, "I couldn't afford it", she said.

When Michael entered the first grade, Miss Holly, went to work teaching in elementary education. She started at Oakwood Elementary School and her total career lasted 22 years. Her first class assignment was a remedial class, and she surprised everyone by preparing most of them to advance to the next grade. Miss Holly said, "I didn't know I was supposed to just babysit them, I taught them." She taught in most of the elementary grades and some times she taught the same children in the different grades. She even taught Michael. It was reported that he had no trouble at school referring to his mom as Mrs. Bevan. However, he sometimes at home would forget and call her Mrs. Bevan.

In 1967 Wilbur and Holly purchased their home in Long Point on the Severn. Miss Holly was active in the Long Point on the Severn Civic Association. She said that her waterfront Florida room overlooks Little Round Bay and St. Helena Island. Her 50 foot radio tower topped with a 10 foot antenna is tucked beside the house, and screened by woodland on the property near the end of the peninsula.

Wilbur passed away one month before their 50 wedding anniversary.

Doug Elmore wrote on December 12, 2017:

> "It is with sadness that I share that this morning (12/09/2017, about 0700, Miss Holly became a Silent Key. Miss Holly, N3MB was a lifetime member of the Anne Arundel Radio Club. She was 101 years young and participated as a member for decades. She was one of my Volunteer Examiners when I went to test for my Extra Class license. She was our Field Day Ambassador for our yearly Field Day event for as long as I've been a member.. Known throughout the region, Miss Holly is most notable for running the "Holly Net" on the Davidsonville AARC repeater weekday workday mornings from 6 to 9 am. I recall traveling out to Winchester, VA and talking on the local repeaters and finding out that she had fans out there once it became known I was an AARC Member. She will be sorely missed."

Marty Pittinger, KB3XXM Section Manager, MDC Section, ARRL wrote:

Holly Bevan/N3MB has been appointed to Assistant Section Manager by Marty Pittinger/KB3MXM, ARRL Section Manager for Maryland-DC.

The appointment came last Sunday, June 25 during Field Day but due to her absence she received her award the following Tuesday.

Holly (who just recently celebrated her 101st birthday this past March) was excited for the appointment. She said she was feeling well and had every intention of returning to the morning traffic net, ("The Holly-net"), held weekdays except holidays, on the W3VPR's Davidsonville, MD repeater 147.105+ (107.2).

(Editor Note: Our thanks to Michael Bevan, WA3NAK for his assistance.)

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VE Testing Schedule

Second Saturday of each month – Noon – AARC – Steve Kelly / K3BAY 410-975-6246
Third Saturday of each month – 9AM – Laurel ARC **–** John Creel, 301-572-5124
Fourth Tuesday of each month – 6PM – MMARC – Mike Montrose / KA2JAI 443-310-4907 web site is tinyurl.com/marylandmobileers

To all exams bring:

- Picture ID
- Social Security Number or FCC Registration Number (FRN)
- **ORIGINAL** and a **COPY** of current FCC amateur radio license
  ORIGINAL and a COPY of all element credits (eg., FCC letters, old licenses or unexpired Certificates of Successful Completion of Examination-CSCE)

W1AW 2017 / 2018
Winter Operating Schedule

Morning Schedule:

Time	Mode	Days
1400 UTC (9 AM EST)	CWs	Wed, Fri
1400 UTC (9 AM EST)	CWf	Tue, Thu

Daily Visitor Operating Hours:

1500 UTC to 1700 UTC - (10 AM to 12 PM EST)
1800 UTC to 2045 UTC - (1 PM to 3:45 PM EST)

(Station closed 1700 to 1800 UTC (12 PM to 1 PM EST))

Afternoon/Evening Schedule:

2100 UTC	(4 PM EST)	CWf	Mon, Wed, Fri
2100 "	"	CWs	Tue, Thu
2200 "	(5 PM EST)	CWb	Daily
2300 "	(6 PM EST)	DIGITAL	Daily
0000 "	(7 PM EST)	CWs	Mon, Wed, Fri
0000 "	"	CWf	Tue, Thu
0100 "	(8 PM EST)	CWb	Daily
0200 "	(9 PM EST)	DIGITAL	Daily
0245 "	(9:45 PM EST)	VOICE	Daily
0300 "	(10 PM EST)	CWf	Mon, Wed, Fri
0300 "	"	CWs	Tue, Thu
0400 "	(11 PM EST)	CWb	Daily

Frequencies (MHz)

CW: 1.8025 3.5815 7.0475 14.0475 18.0975 21.0675 28.0675 147.555
DIGITAL: - 3.5975 7.095 14.095 18.1025 21.095 28.095 147.555
VOICE: 1.855 3.990 7.290 14.290 18.160 21.390 28.590 147.555

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM
CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM
CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

DIGITAL = BAUDOT (45.45 baud), BPSK31 and MFSK16 in a revolving daily schedule.

Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and at the beginning of alternate speeds.

On Tuesdays and Fridays at 2330 UTC (6:30 PM EST), Keplerian Elements for active amateur satellites are sent on the regular digital frequencies.

A DX bulletin replaces or is added to the regular bulletins between 0100 UTC (8 PM EST) Thursdays and 0100 UTC (8 PM EST) Fridays.

Audio from W1AW's CW code practices, CW/digital ulletins and phone bulletin is available using EchoLink via the 1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here as well. The audio is sent in real-time and runs concurrently with W1AW's regular transmission schedule.

All users who connect to the conference server are muted. Please note that any questions or comments about this server should not be sent via the "Text" window in EchoLink. Please direct any questions or comments to w1aw@arrl.org.

In a communications emergency, monitor W1AW for special bulletins as follows: Voice on the hour, Digital at 15 minutes past the hour, and CW on the half hour.

All licensed amateurs may operate the station from
1500 UTC to 1700 UTC (10 AM to 12 PM EST),
and then from
1800 UTC to 2045 UTC (1 PM to 3:45 PM EST)
Monday through Friday. Be sure to bring your current FCC amateur radio license or a photocopy.

The W1AW Operating Schedule may also be found on page 95 in the November 2017 issue of QST or on the web at, http://www.arrl.org/w1aw-operating-schedule .

Used with permission ARRL Bulletin 20 ARLB020 >From ARRL Headquarters Newington CT November 6, 2017
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W1AW Transmitting On 6 Meters Starting January 2, 2018

Beginning with the 9 AM EST fast code practice on Tuesday, January 2, 2018, W1AW will add 6 meters - specifically **50350 kHz** - to its regular CW code practice, and CW, digital and phone bulletin transmission schedule.

Prior to late 1989, W1AW had a presence on 6 meters for all its CW practice, and regular bulletins. Since that time however, the station was absent on 6 meters, with the exception of regular visitor operations and contests.

In addition to providing regularly scheduled transmissions on 6 meters, another goal is to act as a beacon on 6 meters, especially from the Northeast US.

Signal reports will be welcome. A web page that will allow listeners to provide signal reports will be made available after the start date. Reports may also be emailed to W1AW at, w1aw@arrl.org.

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Radio Amateur's Invention to Treat Alzheimer's Patients Going to Clinical Trials

Inveterate inventor and radio amateur Eric Knight, KB1EHE, may be on the cusp of medical history as a device he developed in collaboration with a prominent Alzheimer's disease researcher enters clinical trials this month. Both are hoping that the device, which essentially saturates the brain with low levels of RF, may prove to be a viable treatment for the dreaded disease affecting millions.

"Sometimes breakthroughs happen in ways that are unexpected," Knight told ARRL.

Eric Knight, KB1EHE.

Knight learned of experiments that world-renowned Alzheimer's researcher Dr. Gary Arendash was carrying out on mice specially bred to have the disease, exposing them to low levels of RF. Knight said the effects were dramatic, sometimes even reversing the disease's effects in the mice. Borrowing some concepts from his early experiments with small rockets and avionics, he set about developing, and later patented, a device that could provide the requisite RF exposure to the human head.

"In the early 2000s, we were trying to figure out then how to make antennas that would wrap around the airframes of the rockets we were designing," he said, noting that the diameter of his group's space vehicle was about the same as that of a human head. Knight learned that Arendash was attempting to extend his investigations in a similar vein, and eventually they collaborated.

"He came at it from mice and science, I came at it from an aerospace and hobby perspective," said Knight, who patented a device based on a bicycle-type helmet. At the same time, Arendash was developing a similar wearable -- a fabric cap resembling an old-time aviator's headgear. Both devices are embedded with small antennas to bathe the brain in electromagnetic radiation in the 900 MHz spectrum set aside for Industrial, Scientific, and Medical (ISM) applications -- some 100 MHz higher than a cell phone's frequency.

"Ironic for sure," Knight said. "Who would imagine that cell phone radio waves could be a potential treatment for Alzheimer's disease?"

Knight, who has no medical background, said the device to be used in the clinical trials consists of the cap plus a palm-sized transmitter and wiring harness worn on the arm. The resulting combination has been dubbed the NeuroEM 1000. Participants will get doses of RF twice a day.

From the Food and Drug Administration's (FDA) standpoint, the clinical trials aim primarily to show that the technology is safe, but Knight said he and Arendash are also looking for data that might demonstrate that the device could be beneficial in treating Alzheimer's. The protocol they've developed goes further than what the FDA requires and includes before-and-after baseline data, with cognitive testing, assays of spinal fluid and blood, and PET scans.

"The hope is that there is a tiny bit of efficacy. Then we can work to refine it," Knight said, adding, "No one is expecting a magic cure."

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More Room for Hamvention® at Greene County Fairgrounds and Expo Center

Hamvention® reports that the Greene County Commissioners and the Greene County Fair Board have approved the construction of a new building at the Greene County Fairgrounds and Expo Center, the new Hamvention venue in Xenia, Ohio

"Greene County officials have decided to move forward with construction of a new building, as it will continue to expand their presence in the region as a world-class Exposition Center," Hamvention Spokesperson Michael Kalter, W8CI, said in a news release. "Hamvention certainly benefits from the decision to expand the Expo Center footprint. Construction is planned to be complete ahead of Hamvention 2018, and [the new building] will be used for the event."

In addition to the new structure, another building on the property, previously known as Fairgrounds Furniture, is being vacated and will be available for use by Hamvention in May 2018. Additional detailsMore Room to be Available for Hamvention® at Greene County Fairgrounds and Expo Center

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Training Classes at AARC

Technician License Class.

[https://www.w3vpr.org/node/334]

Our next AARC 6 week training class begins March 3. Please check the Training page for details.

General License Class.

[https://www.w3vpr.org/node/335]

Our next General License Class will begin April 21st. It is not to early to preregister. Details are on the Training page.

Contact: Keith Miller, AE3D, Training

Repeaters and Nets

2 Meter Repeaters

Location	Frequency	Tone	Notes
Davidsonville	147.105+	107.2	AARC Repeater with morning traffic net.
Glen Burnie	147.075+	107.2	AARC repeater Located in Northern AA County.
BrandyWine	147.150+	114.8	SMARC Repeater.
Prince Frederick	145.350-	156.7	SPARC/CARC Repeater.
Laurel	147.225+	156.7	Laurel ARC Repeater.
Millersville	146.805-	107.2	Repeater.

1.25 Meter Repeaters

Location	Frequency	Tone	Notes
Davidsonville	223.880-	107.2	AARC 1.25M repeater *check to see if tied into 7.105...
Millersville	224.560-	107.2	AARC repeater Located in Northern AA County.

70cm Repeaters

Location	Frequency	Tone	Notes
Davidsonville	444.400+	107.2	AARC 70 cm Repeater.
Annapolis	442.300+	107.2	AARC 70 cm repeater
Laurel	442.500+	156.7	Laurel ARC 70 cm Repeater.
Millersville	449.125-	107.2	Maryland Mobileers Repeater.
Upper Marlboro	443.600+	103.5	SMARC 70 cm Repeater.

Packet Stations

Location	Frequency	Call	Notes
Davidsonville	145.050	W3VPR	AARC Club packet node running JNOS
Davidsonville	145.010	W3VPR-5	Digipeter Relay to EOC Winlink
Millersville	145.010	W3AAC-5	Digipeter Relay to EOC Winlink
Glen Burnie	145.010	W3AAC-10	EOC Winlink system and digipeter

Amateur Radio nets

Name	Frequency (in Mhz)	Day	Time
Morning Commuter Net	147.105+ PL 107.2	Weekdays	0600
AARC Talk Net	147.105+ PL 107.2	Wednesday	2000
AA County ARES Net	146.805- PL 107.2	Sunday	2000
Baltimore Traffic Net	146.670-	Daily	1830
Boating Net	146.805- PL 107.2	Wednesday	1930
Maryland Emergency Phone Net	3.920	Daily	1800
Maryland-DC-Delaware Traffic Net	3.643	Daily	1900 and 2200
Maryland Slow Net	3.563	Daily	1930
React Net	442.300+ PL 107.2	1st Sunday	1930

We use **simplex 146.430 Mhz** frequently enough that you should probably program that into your HT or mobile. This is the go-to frequency for many 5K race/walk volunteering efforts, local communication, Field Day setup, and the like when we're not using a repeater.

AARC Two-Meter Net Controller Schedule — 2018

01/03/18	KB3ZYO	Rich
01/10/18	KB3MUV	Raven
01/17/18	K3ACT	Chuck
01/24/18	W3KNH	Jamison
01/31/18	KB3YQK	Tim
02/07/18	K3MAW	Mike
02/14/18	AA3EB	Ed
02/21/18	KB3ZYO	Rich
02/28/18	KB3MUV	Raven
03/07/18	K3ACT	Chuck
03/14/18	W3KNH	Jamison
03/21/18	KB3YQK	Tim
03/28/18	K3MAW	Mike
04/04/18	AA3EB	Ed
04/11/18	KB3ZYO	Rich
04/18/18	KB3MUV	Raven
04/25/18	K3ACT	Chuck
05/02/18	W3KNH	Jamison
05/09/18	KB3YQK	Tim
05/16/18	K3MAW	Mike
05/23/18	AA3EB	Ed
05/30/18	KB3ZYO	Rich
06/06/18	KB3MUV	Raven
06/13/18	K3ACT	Chuck
06/20/18	W3KNH	Jamison
06/27/18	KB3YQK	Tim

07/04/18	K3MAW	Mike
07/11/18	AA3EB	Ed
07/18/18	KB3ZYO	Rich
07/25/18	KB3MUV	Raven
08/01/18	K3ACT	Chuck
08/08/18	W3KNH	Jamison
08/15/18	KB3YQK	Tim
08/22/18	K3MAW	Mike
08/29/18	AA3EB	Ed
09/05/18	KB3ZYO	Rich
09/12/18	KB3MUV	Raven
09/19/18	K3ACT	Chuck
09/26/18	W3KNH	Jamison
10/03/18	KB3YQK	Tim
10/10/18	K3MAW	Mike
10/17/18	AA3EB	Ed
10/24/18	KB3ZYO	Rich
10/31/18	KB3MUV	Raven
11/07/18	K3ACT	Chuck
11/14/18	W3KNH	Jamison
11/21/18	KB3YQK	Tim
11/28/18	K3MAW	Mike
12/05/18	AA3EB	Ed
12/12/18	KB3ZYO	Rich
12/19/18	KB3MUV	Raven
12/26/18	K3ACT	Chuck

Vietnam Vet, Radio Ham Granted Dying Wish - Get on the Air One More Time

Vietnam War veteran John Nugent, WA2EQJ, got on the air for what likely will be his final time earlier this month, thanks to help from the Amateur Radio community. The 75-year-old US Army Signal Corps veteran, who has cancer, lives at the James A. Lovell Federal Health Care Center in North Chicago, Illinois. Licensed since he was 16, he told a social worker at the facility that one item on his "bucket list" was to operate on ham radio one last time. Staffers at the facility got in touch with the Lake County Veterans Assistance Commission, and replies came from the American Legion Amateur Radio Club, the North Shore Amateur Radio Club, and Lake County Radio Amateur Civil Emergency Service (RACES), among others.

"He was just over the moon," social worker Alesia Behnke told the *Chicago Tribune*. "We had no idea we were going to pull it off."

John Nugent, WA2EQJ (center), with his son, Chris (right), and daughter-in-law Nina. [Don Whitney, K9DRW, photo]

The various Amateur Radio volunteers did, however, setting up an antenna outside the facility and a simple HF station inside. David Hartnett, K9DRH, and crew Don Whitney, K9DRW; James Nelson, K9QF; Harry Hahn, WB9R, and Scott Campbell, KC9SJP, were among those who made it happen. ARRL Illinois Section Manager Ron Morgan, AD9I, spread the word that WA2EQJ would be on the air.

"John is terminally ill and wanted to make some 20-meter radio contacts one last time," a post on the Lake County RACES page recounted. "He has been in the [Lovell Center] for more than 3 years." Nugent had volunteered to serve in the Army and was wounded during his Vietnam service.

On December 5, Nugent -- with help from his family members and Lovell Center staff -- turned on his radio and contacted stations in California, Illinois, and Texas. After the contacts were in the log, Nugent's son, Chris, thanked the Lake County RACES and other volunteers who facilitated his dad's last wish.

Among the stations Nugent contacted was special event W9F, operated by members of the Fermilab Amateur Radio Club (WB9IKJ) to mark the 50th anniversary of the National Accelerator Laboratory (Fermilab).

"We were able to add dying Army vet John Nugent, WA2EQJ, to the W9F special event log because of the rapid e-mail alert from the ARRL Illinois Section Manager, notifying ARRL members that it was Mr. Nugent's dying wish to make a final radio contact," Michaline Przekop, KC9ARP, told ARRL. "It was truly a touching and unforgettable experience."

Video of the event is available.

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World Wide Radio Operators Foundation Announces KP4 Generator Project

The recovery efforts in Puerto Rico have largely cycled out of the news media, but residents are still struggling in the wake of this fall's devastating hurricane damage. In order to help radio amateurs and radiosport enthusiasts in Puerto Rico get back on the air, the World Wide Radio Operators Foundation (**WWROF**) has announced the KP4 Generator Project, which will raise funds to purchase Honda eu2000i generators for the radio amateurs of Puerto Rico.

Well-known contester Angel Vazquez, WP3R, will distribute these generators to active radio amateurs on the island for use in emergency-related communication and other applications, based on local need.

The WWROF will match the first $5,000 in donations from clubs and individuals to the KP4 Generator Project. WWROF is an IRS 501(c)(3) organization, and donations are tax-deductible for US taxpayers to the extent allowed by law.

Puerto Rico suffered extreme damage from hurricanes Irma and Maria, and while recovery efforts are proceeding, a lot of work remains to be done that will take significant time, WWROF Chairman, John Dorr, K1AR, said in an announcement over the weekend.

“Amateur Radio has filled a vital need for communications, since the storm destroyed most of the island’s wired and wireless infrastructure,” Dorr noted. “Many of our fellow Amateur Radio operators and contesters are among the people who suffered significant damage.” The WWROF said the contesting community in Puerto Rico has expressed a continued need for generators to stay on the air and to power their homes for ongoing communication needs.

Currently electric power has been restored to roughly two-thirds of the island, but full power may not be back until early next year, according to some estimates. Generators remain in high demand and in very short supply on the island.

The Amateur Radio and Radiosport communities may donate to the KP4 Generator Project via PayPal (to **donations@WWROF.org**), via credit card on the **WWROF website** (click on the DONATE button), by check to WWROF, PO Box 529, Fredericksburg, TX 78624-0529.

The mission of the Worldwide Radio Operators Foundation is to improve the skills of Amateur Radio operators around the world, utilizing education, competition, advancement of technology and scientific research. The foundation focuses on promoting international friendship and goodwill, and on preparing operators to better serve society in times when communication support is needed.

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The *Ham Arundel News* is the monthly official publication of

The Anne Arundel Radio Club, Inc.
(ARRL Club No. 0484).

Editor: Milford Craig / N3WYG
Send newsletter articles, questions and information to **Milford** at **newsletter@w3vpr.org**
Deadline for submissions – The Saturday after the 3rd Thursday of the month

Mailing Address:
Anne Arundel Radio Club
Post Office Box 308
Davidsonville, MD 21035

Meetings:
General Business 1st Thursday at 7:30 PM
Board Meeting 2nd Thursday at 7:30 PM
Program/Activity 3rd Thursday at 7:30 PM

Dues:
$30 per year, payable December 1st
Discounts available for family members and students

World Wide Web: **www.w3vpr.org**

AARC Supports The Maryland Slow Net:
3.563 MHz CW 7:30 P. M. Daily

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Free Money for AARC!
ARRL Membership Reminder

ARRL affiliated clubs receive a commission for every new ARRL membership and renewal they submit to ARRL Headquarters. Clubs retain a portion of the dues for each regular or senior membership submitted to ARRL Headquarters:

Clubs retain $15 for each new membership OR lapsed membership (of two years or more).
Clubs retain $2 for each renewal,
A RENEWING MEMBER can renew at any time, even before their current membership expires.

Send your application and payment (made out to AARC) to the club treasurer.

Mark Your Calendars

REGULAR ACTIVITIES

Club Meetings are held on the first and third Thursdays of the month from 7:30 to 9PM at the clubhouse located at the Davidsonville Family Recreation Center in Davidsonville, MD

Free License Exams every 2nd Saturday of the Month - Check in at Noon, Exams at 1PM - At the clubhouse - Contact Steve/K3BAY k3bay@w3vpr.org

Weekly AARC 2-Meter Net on 147.105 (Typically linked to 147.075 and 444.400) every Wednesday at 8 PM - All Welcome

2 meter Morning Commuter Net on 147.105 (Typically linked to 147.075 and 444.400) every morning 6:30 am to 9:00 am.This is the famous Holly-net. Pre-Holly-net starts at 5 AM or so.

EVENT SCHEDULE

Thursday, January 4 7:30pm
AARC Club meeting, newcomers always welcome.
Thursday, January 11 7:30pm
AARC board meeting
Sunday, January 14 1:00pm
AARC Mesh Networking group, at 1 to 4 PM at the clubhouse
Thursday, January 18 7:30pm
AARC Club meeting, newcomers always welcome.
Saturday, January 27 2:00pm
AARC (indoors) Winter Field Day at the Clubhouse
Sunday, January 28 2:00pm
AARC (indoors) Winter Field Day at the Clubhouse
Sunday, January 28 1:00pm
AARC Kit-building, troubleshooting and repair, at 1 to 4 PM at the clubhouse

NOTICE:
The club has a new Google Calendar under test. The trial is open to anybody who understands the address may change at some point in the future. Get the latest AARC events on your Gmail calendar, iPhone, or Android device.

The ARRL International Grid Chase Kicks Off with the New Year!

Ready, set, go! The ARRL International Grid Chase 2018 gets under way on January 1 UTC (New Year's Eve in US time zones). The objective of the year-long event is to work stations on *any* band (*except* 60 meters) in as many different Maidenhead grid squares as possible, and then upload your log data to ARRL's Logbook of The World (LoTW). Many hams are familiar with grid squares from the VHF/UHF and satellite realms, and everyone lives in one. An online calculator by David Levine, K2DSL, can determine your grid square. Enter a postal address, ZIP code, or a call sign, and the calculator will return the grid square for that location. Each new grid square contact confirmed through LoTW will count toward your monthly total.

Any contact you make in 2018 can count for your Chase score; as long as the other operators participate in LoTW, you'll get credit automatically when they upload their logs. This means that contest contacts will also count, as will contacts with special event stations, or other on-air activity that uses LoTW to confirm contacts.

There are no restrictions on modes or bands, as long as they are legal. Satellite contacts are valid for the Chase. The event is open to *all* radio amateurs.

Complete details of the ARRL International Grid Chase 2018 appeared in the December 2017 issue of *QST*. For more information, contact the ARRL Contest Branch.

Used with permission The ARRL Letter for December 21, 2017

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Countries Authorize New, Expanded Amateur Radio Allocations

Several countries around the globe have allowed access to new and expanded frequency allocations.

Croatian radio amateurs now have a secondary 60-meter allocation of 5351.5-5366.5 kHz, as agreed to at World Radiocommunication Conference 2015 (WRC 15), with a maximum 15 W EIRP. For the last several years, the Croatian Regulatory Authority for Network Industries (HAKOM) had issued 1-year licenses to operate on 60 meters. Hams in Croatia now also have access to more of 160 meters: 1810-1850 kHz with a maximum power of 1.5 kW PEP, and 1850-2000 kHz with a maximum power of 1 kW PEP. The changes became effective on December 2.

Earlier this fall, radio amateurs in Colombia gained new allocations at 60, 630, and 2200 meters, as a result of efforts by the Liga Colombiana de Radioaficionados (LCRA) -- with the support of its "strategic partner" Liga Radio Bogotá (LRB). Access to the new bands was to become effective when the Colombian Communications Ministry granted the privileges by administrative act. The new allocations are 135.7-137.8 kHz (2200 meters); 472-479 kHz (630 meters); and 5351.5-5366.5 kHz (60 meters).

In Germany, radio amateurs now have a 60-meter band plus an extended 6-meter band, the Deutscher Amateur Radio Club (DARC) reports. Amateur Radio has been allocated the band 5351.5-5366.5 kHz at a maximum power of 15 W EIRP on a secondary basis. This is in accordance with the allocation agreed upon at WRC 15. In addition, 6 meters was expanded slightly. The band 50.08-51.0 MHz, previously allocated to Amateur Radio on a secondary basis, has been enlarged to 50.03-51.0 MHz at a maximum 25 W EIRP.

Spain has also adopted the global, secondary 60-meter Amateur Radio allocation of 5351.5-5366.5 kHz, per WRC 15.

The Radio Club of Argentina has announced that Argentina will soon have privileges in the 630- and 60-meter bands, as well as extended allocations at 160, 80, and 30 meters. The new allocations are 472-479 kHz (630 meters) and 5351.5-5366.5 kHz (60 meters). Hams in Argentina will also be permitted to use 1800-2000 kHz (160 meters); 3500-4000 kHz (80/75 meters), and 10,100-10,150 kHz (30 meters) -- the same allocations available in the US. -- *Thanks to Zeljko Ulip, 9A2EY, via Paul Gaskell, G4MWO/*The 5 MHz Newsletter, *Southgate Amateur Radio News*

Used with permission The ARRL Letter for December 7, 2017

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What the heck is the ARRL Board thinking?

By Dan Romanchik, KB6NU

About a month ago, I received an email from the ARRL. Attached were minutes of a Special Board Meeting of the ARRL Board of Directors (http://www.kb6nu.com/wp-content/uploads/2017/11/Minutes-of-Special-Board-Meeting-ARRL-Board-of-Directors-1.pdf) held by teleconference on Tuesday, November 14, 2017. At first, I didn't think much of it, but after reading the minutes, I thought to myself, "What heck are these guys thinking?"

What the minutes document is the censure of Dick Norton, N6AA, for "criticizing publicly the collective action of the Board of Directors adopting said Code of Conduct[sic] and drawing the Board's collective decision making into disrepute." I won't quote the whole thing here, but you can find the text on my website at http://www.kb6nu.com/heck-arrl-board-thinking/.

So, what is this ARRL Code of Conduct? It's official name is the ARRL Policy on Board Governance and Conduct of Members of the Board of Directors and Vice Directors, and the board adopted this code at the January 20-21, 2017 board meeting. You can find this

code on the ARRL website at http://www.arrl.org/files/file/ODV/ARRL Code of Conduct.pdf.

To be fair, this document does include some good things, such as acting responsibly when it comes to ARRL financial matters and treating ARRL staff with respect. What seems to be questionable, and the reason for N6AA's censure, however, is Section 8 Support of Board Decisions. I won't quote the entire section here, but basically what it says an ARRL board member must accept and publicly support board decisions, even if they voted it against it. If they express any dissenting opinion about a board decision, they can be censured, as N6AA was in this case.

In effect, this is a gag order on a director if he disagrees with a Board decision. Not only that, this section seems to say that once someone gets elected to the Board, his allegiance to the Board is more important than the views of the amateur radio operators he represents.

One of my Twitter followers put it this way, "Where else can those ostensibly in a position of representation of the organization's members be punished for publicly criticizing the organization's rules? US Congress? Parliament of the UK? No, and no. @arrl board is looking more like North Korea than a representative body." Seriously, can you imagine if the U.S. Congress had such a policy in place?

What did Norton actually do?

I emailed Norton to find out what he said exactly to bring on this censure. Understandably, he was a little hesitant to speak to me directly. I then asked if I could see the supporting statements.

I then received two emails. The first was from Mark Weiss, K6FG. His email contained the text of an email he sent to the ARRL Board of Directors. A second contained an email sent to the board by Tim Duffy, K3LR, the owner of DX Engineering. Both emails supported N6AA, noting that he stated that he supported the board action and that any opposition came from the audience and not from Norton.

So, I go back to my original question. What the heck is the ARRL Board thinking, first in passing this draconian ARRL Policy on Board Governance and Conduct of Members of the Board of Directors and Vice Directors, and second in using it to censure a director, who, according to several accounts, didn't commit the infraction in the first place? Are they so insecure in their decision-making that they have to resort to gag orders like this? Don't they see that taking actions like this brings them more "disrepute" than an honest dissenting opinion?

If this situation angers you as much as it does me, I encourage you to contact your director and make your feelings known. One of my blog readers suggests that your message be "short, non-aggressive, and to the point." He suggested the following:

Dear [your director's name here]

I am unhappy with both the ARRL Policy on Board Governance and Conduct of Member of the Board of Directors and Vice Directors (aka the "Code of Conduct") and the N6AA censure.

I want to freely discuss issues with our directors.

I want our directors to tell me where they stand, not where the board stands.

I want the directors to be free to express their opinions and to know how they voted.

I want directors to not fear censure.

Therefore, I urge the following immediate actions:

- *Modify the Code of Conduct to allow the above.*
- *Revoke the N6AA censure.*

73,

[Your name and callsign go here.]

I hate to say this, but this is only the beginning. Some ARRL directors are planning to propose changes to the League's Articles of Association and By-Laws at the board meeting in January 2018. These changes will make the ARRL even less democratic and more authoritarian.

As reported by CQ magazine (http://cqnewsroom.blogspot.com/2017/12/changes-proposed-to-arrl-governing.html), if these changes are enacted "the board of directors will be able to revoke League membership 'for cause' and to remove board members by revoking their League membership; lesser disciplinary actions against board members, such as censure, will be allowed without the member receiving advance notice or an opportunity to respond to allegations." Another change will grant voting privileges to the president and three vice-presidents, even though these are appointed positions.

Again, I ask, what the heck is the ARRL board thinking? Do they really think that this is going to make the ARRL a stronger organization and a better advocate for amateur radio? If so, I'd like to hear their reasoning. ARRL membership has been declining for many years (as a percentage of licensed radio amateurs), and these moves are only going to accelerate that decline. I have already heard from many hams that they plan to let their ARRL membership lapse.

Please consider contacting your director today. It may already be too late to save the ARRL.

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MARYLAND / DC SECTION TRAFFIC MANAGER'S REPORT

MDC NTS NETS:

MEPN 1711 W3YVQ QND/30 QNI/435 QTC/91 MINS/897
BTN 1711 AB3WG QND/30 QNI/412 QTC/62 MINS/619
MDD 1711 AA3SB QND/59 QNI/313 QTC/150 MINS/664
MSN 1711 W8CPG QND/30 QNI/133 QTC/30 MINS/712

PSHR: NI2W 190, KK3F 140, W3CB 140, W3YVQ 135, K3IN 110, AA3SB 100, WB3FTQ 95, N3ZOC 90, AB3WG 82, KC3HWU 80, KB3LFG 18;

TFC: KK3F 2093, K3IN 203, WB3FTQ 189, N3ZOC 115, W3YVQ 111, AA3SB 103, W3CB 47, NI2W 46, KC3HWU 43, AB3WG 34, KB3LFG 0

HF PROPAGATION

MEPN TIME CHANGES: 1700L PRE-NET, 1730L NET CALL As the month of November progressed, the HF NVIS propagation on MEPN (3820 KHz) began to fail by 1715L or 1730L due to the MUF falling below 4 MHz. An E-layer allowed NVIS communications to continue with weak signals a bit later some nights. On November 15 the MEPN moved the formal net call to 1730L with the pre-net at 1700L (allowing liaison with the WVA Net which moved its formal call to 1700L). The MEPN may be called before 1730L on nights when propagation shows signs of failing. The net will attempt to remain open until 1730L if possible, but stations are encouraged to QNI as soon after 1700L as practical. The net will try to provide liaison to Echolink, manpower allowing, and so long as there is a way to report QNIs there to the MEPN NCS. (Stations who check Echolink, and find no MEPN rep, please report any QNIs to me on the BTN or a subsequent MEPN session.) If conditions worsen, the MEPN may need to move the pre-net to 1630L with the formal call at 1700L, and/or use 160m as needed.

MDD CW CYCLE 4, EARLY AND LATE

Many 0000Z and some 0300Z MDD sessions began to see very weak signals in-state. When the MUF falls below 75 meters by 1730L, it is typical that we will see the most degradation for the first hour after sunset. The MUF bottoms out for 30 minutes to an hour and then begins to recover a bit. Many nights in November it recovered enough to be just above the 80 meter CW segment of the band for both MDD sessions, but several nights the band went "long" and stayed that way. Again, if an E-layer persists beyond 3.6 MHz, NVIS propagation may be acceptable for those hours.

Some nets survive loss of NVIS skip by using NCS or relay stations a thousand miles away, or by migrating to 160m. Stay tuned. Check out your ability to get on 160m in case MEPN or MDD needs to make a move there on unusually difficult nights. The winter solstice is on December 21. Conditions will then improve as we move toward spring. Root for Cycle 25 (perhaps by 2019 or 2020).

MDC RADIOGRAMS AND OTHER MESSAGING

Outlets in each ARES® jurisdiction are needed for daily Radiogram and Radio-email traffic for served agencies, and also for messaging welcoming new hams to the Amateur Service. Join the MEPN, BTN, or MDD nets daily to find out more about how to contribute.

BTN LOCAL NTS TRAFFIC AND TRAINING NET

The BTN continues to meet on 145.33/R (no tone) daily at 6:30PM local time and continues to welcome new amateurs. The availability of an active directed traffic net of the NTS on VHF is exactly why the BTN was established, providing a welcoming place for newcomers to the Amateur Service. Thanks to all the BTN stations checking into the MEPN via Echolink.

MEPN ECHOLINK

MEPN representatives check for Echolink check-ins starting at net call daily via the WB3GXW-L link node (or ***WASH_DC*** conference node backup if the -L node is not available). A number of BTN and MEPN members, as well as stations outside the area, have used Echolink to check in when HF is not available to them. Thanks to all.

MSN CW TRAINING

Remember that the MSN provides CW training daily for newcomers to the mode, or those wishing to refresh their skills, daily at 7:30 PM on 3563 kHz. Each trainee works with an assigned instructor off the net frequency to receive radiograms containing training information. Instructors work with each student at their own desired speed and check-in schedule. All are encouraged to master the art of CW via this net or personal training in order to support and join the ranks of our MDD Section CW net. Robin, AA3SB, MDD NM, and the veteran staff, will be glad to help you advance to the evening CW full Cycle 4 of the NTS.

Thanks to all the Section traffic net NCS stations, DTN/RRI and WL2K stations, liaisons, and traffic handlers for the continuing effort to keep the nets running and traffic moving.

Thank you for your continued support of MDC integrated ARES® and NTS operations.

73, W3YVQ, MDC ASM, STM
w3yvq atsign arrl dot net
w3yvq atsign winlink dot org from WL2K

Used with permission MDC Section News for December 12, 2017
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MARYLAND / DC Section Reflectors

We introduced a new MDC Section reflector, ARRL MDC Section Winlink Training Group for P2P and Hybrid networks, or MDCQRV for short. Please make use of this tool to sharpen skills and fine tune your configuration files. Located at:

<https://groups.yahoo.com/neo/groups/MDCQRV/info>

The new ARRLMDCSection Yahoo Reflector is now available. If you are not a member. . .you should be!! We now have 90 members this month, up four from last month. I encourage you to use this to stay informed or

keep intouch with the rest of your fellow ARES members. With the wide distribution of this newsletter coming out only once a month, this Yahoo Site will keep you up to date with late breaking news, including a possible disaster call up. There is very little traffic to clog your in box.

I don't know if all the DECs and ECs are members. If you are not, please do. This is going to be be the quickest way possible to inform MDC Section ARES of current incidents and impending disasters. Please do it now.

You can join at:
<https://groups.yahoo.com/neo/groups/ARRLMDCSECTION/info>.

Used with permission MDC Section News for December 12, 2017
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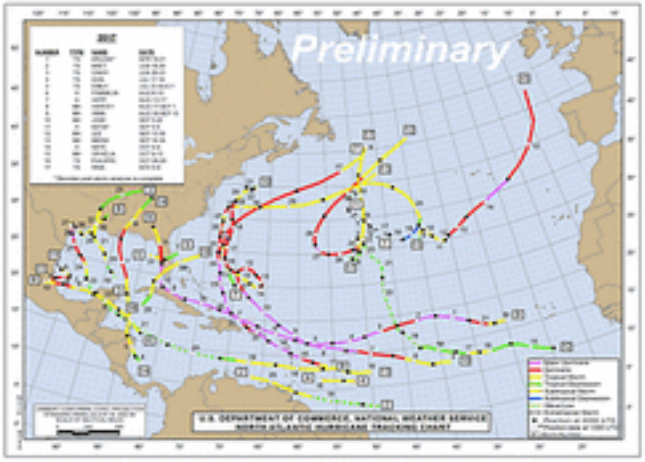
ARES End of Year Thoughts

It's been a year of natural disasters across the country on a scale that I cannot recall ever having been more horrific, from tornadoes to West coast wildfires to Atlantic hurricanes and more. As this is written, wildfire is raging across southern California in a month that is usually reserved for mudslide and flooding season. The *Los Angeles Times* reported no major wildfire had ever occurred in the state in December; California's wildfire season is usually summer and early fall. Of the 20 largest California fires since 1932, 14 have burned since 2000. The five largest have all occurred since 2000.

It's also been a hurricane season to remember, with horror: the humanitarian crises of Puerto Rico and other Caribbean islands, the flooding that Harvey wrought on southern Texas, and here on the Florida peninsula, the march up land of Hurricane Irma that, according to some reports, spurred the largest evacuation in US history, put large segments of the population into shelters, and locked me into the hospital to work and live for almost 60 hours.



Amateur service licensees worked in partnership with emergency/disaster response agencies, responding at all levels of government, and for the Red Cross and NGOs over the course of the year. ARRL Administrative HQ staff supported the ARRL Field Organization, and HQ's Emergency Preparedness Manager Mike Corey, KI1U, traveled to Puerto Rico with radio and other equipment made possible by donors to Ham Aid, to represent HQ and personally add to the response and recovery effort there. Countless other examples of support abound, and have been documented in *QST* and other outlets.

One asset that seems to me to be underutilized and could evolve to be a force multiplier in community and neighborhood response and safety in disasters is the CERT program. I know I sound like a broken record; I've harped on this subject numerous times. The ARRL supports the Community Emergency Response Team (CERT) construct, and has formally supported it since 2003, when the League became an official affiliate program of Citizen Corp, the DHS initiative. The Statement of Affiliation makes ARRL an affiliate under the four charter Citizen Corps programs--Neighborhood Watch, Volunteers in Police Service, *Community Emergency Response Teams* and Medical Reserve Corps.

Help before the Help Arrives

The premise of CERT is undeniable: when a disaster occurs, a neighborhood or entire community could be isolated for days, inaccessible to first responders. Residents are on their own, and must take care of themselves. The CERT program trains them in basic disaster response skills, such as light search and rescue, First Aid, fire management, and radio communications. A team can be trained by local emergency management staff in the classroom, and organized at a local community center or even a neighbor's living room.

Radio amateurs are found in just about every neighborhood, and they make logical key members of CERTs, especially when it comes to establishing communications with the outside world. To start, please check FEMA's CERT web page here.

Finally, thank you being a reader of the ARRL *ARES E-Letter*. There are almost 40,000 of you across the country. Best wishes from the editorial and production staff for a great holiday season and happy new year!
Editor: Rick Palm, K1CE
ARES=E letter Editor

Used with permission The ARES E-Letter for December 20, 2017
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Logbook of The World to Add Support for *CQ* WAZ Award

Participants in *CQ* magazine's Worked All Zones (WAZ) award program will soon be able to use the Logbook of The World (LoTW) system of ARRL, the national association for Amateur Radio, to apply for the WAZ award and its endorsements, ARRL and *CQ* announced on December 14.

Amateur Radio operators will be able to use LoTW logs to generate lists of confirmed contacts to be submitted for WAZ credit. Standard LoTW credit fees and separate CQ award fees will apply.

Implementation, documentation, and internal testing of the link between LoTW and WAZ is complete. ARRL and *CQ* are now assembling a team of external beta testers to assure that the link is ready for widespread use. A separate announcement will be made when LoTW's support for CQ WAZ is available to everyone.

Logbook of The World is ARRL's electronic confirmation system for Amateur Radio contacts. It provides a confirmation when both stations in a contact submit their logs to the system and a match between the logs is confirmed. LoTW has supported the CQ WPX Award program since 2012.

"I am very pleased that participants in the CQ Worked All Zones award program will finally be able to use Logbook of the World confirmations in their applications for WAZ awards and endorsements," said *CQ* magazine Editor Rich Moseson, W2VU, adding that "WPX program participants have made excellent use of this service for the past five years and we look forward to providing it to WAZ program participants as well."

"We are excited about the prospect of supporting *CQ* magazine's WAZ program through Logbook of The World, as it is something that many ham radio operators have been asking for," said Greg Widin, K0GW, ARRL First Vice President and chair of the Logbook Study Committee. "We believe this partnership will enhance the Amateur Radio experience for many practitioners."

Worked All Zones is the second-oldest active Amateur Radio award program, behind the International Amateur Radio Union's Worked All Continents (WAC) award.

Used with permission ARRL Letter for December 14, 2017

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January 2018 *QST* Debuts Fresh, New Design

QST magazine is more than a century old, and with the major exception of color printing throughout the magazine starting in December 2000, it's remained mostly unchanged for the past couple of decades. Starting with the January 2018 issue of *QST*, now available to members in digital form, several noticeable changes are being made to the journal's format, design, and size. *QST* Editor and Publications Manager Steve Ford, WB8IMY, said member feedback over the last few years, has hinted at "significant shifts in media preferences within the Amateur Radio community." Extensive research undertaken late last year, "revealed an undeniable mandate for change," Ford said.

"The majority of you told us that the 'look' of *QST* was becoming stale, that it wasn't in step with modern publications," Ford said in editorial remarks in the January 2018 issue. "You also told us that you desired different types of articles that spoke more to the needs of the average amateur. We've heard you - and we are responding."

Ford said that starting with the January 2018 issue, *QST* will sport a modern, eye-catching design, and will be easier to read. The journal has been trimmed slightly to 144 pages per issue (in addition to covers), plus a smaller size to match the 8 × 10.5-inch publishing industry standard. The current *QST* trim size is nonstandard.

"These changes will create significant savings for us in the cost of ink and paper, and will save even more on postage, which is one of our largest expenses," Ford explained, adding that cost savings will fund the development "of more of the types of the articles you've told us you want," as well as to provide more engaging social media content. In addition, fewer pages will let the editorial staff focus greater attention on each issue's content.

Ford said League members have indicated a preference for articles that provide practical, immediately usable information, guide readers to new activities, and tell more about what radio amateurs are doing -- with an emphasis on personal stories that inspire.

"While we will continue to publish *QST* in digital form each month, our research, and the research conducted by other publishers, has shown that a clear majority of readers still prefer books and magazines printed on paper, and so do our advertisers," Ford said. "So, thanks to the support of our advertisers, we will continue to publish *QST* on paper for the foreseeable future."

Ford said additional changes are possible. "As your needs change, we will, too," he concluded.

Used with permission ARRL Letter for December 14, 2017

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REPEATER FREQUENCIES

Davidsonville	Millersville	Glen Burnie	Annapolis
147.105+		147.075+	
223.880-	224.560-		
444.400+			442.300+

PL: 107.2 for all repeaters
The 147.105 and 147.075 repeaters are frequently linked. Please leave an extra second after the courtesy beep to allow the link to reset as well.

Visitors are welcome *to all meetings and nets.*
Meetings are held in the Clubhouse at the
Davidsonville Family Recreation Center,
Queen Anne Bridge and Wayson Roads off
MD Route 214 near Davidsonville, MD.
For en-route directions,make initial contact on the 147.105 repeater.

Wednesday Night Talk Net -- All are welcome

8PM, On the AARC Repeater 147.105

Other Amateur Radio nets

Name	Frequency	Day	Time
Morning Commuter Net	147.105+Mhz PL 107.2	Weekdays	0600
AA County ARES Net	146.805- Mhz PL 107.2	Sunday	2000
Baltimore Traffic Net	146.670- Mhz	Daily	1830
Maryland Emergency Phone Net	3.820Mhz	Daily	1800
MD-DC-DE Traffic Net	3.557Mhz	Daily	1900 and 2200
Maryland Mobileers Net	146.805 PL107.2	Monday	1930
Maryland Slow Net	3.563 MHz	Daily	1930
REACT Net	442.300+Mhz PL107.2	1st Sunday	1930