The Ham Arundel News

Providing Fellowship and Community Service through Amateur Radio since 1951

July 2020 ***41st Year of Publication***

Keith Miller, AE3D

Prez Sez

Volunteering, it's a wonderful thing. A job needs doing, and someone comes forward to head up the effort. The job gets done, and everyone knows who gets credit. Where would the Anne Arundel Radio Club be without this kind of volunteerism?

To make our club work we have 7 volunteers on the Board of Directors, plus over 40 additional named positions including Committee Chairmen and Team Leaders. Add in a few sub-group leaders and we have roughly 50 volunteer leadership positions total. Right now that means about one in four members should be in charge of something.

Of course we don't really have that many. Jim Wallace holds down 5 of those jobs by himself. Ed Santilli has 4 while John Bowes holds 3. And a number of us are holding down 2 positions to include all the remaining Board members plus Tim Nagel, Ike Lawton, Jim Myrick and Milford Craig. So when you add it up, we are covering 50 volunteer jobs with about half that many people. So, before I go further, let me thank each and every one of the 25. The club can't run without you!

I'd also like to thank all the Committee and Team members. What good is a chief if you have no Indians. Your work in so many areas has been inspirational. The VE Team, the Kit Building Workshop, Rules Committee, Public Service Events Committee, the folks who help make our ham classes work, the Wrecking Crew, and the list goes on and on. To each and every one of you, please accept my thanks.

You know volunteering is great, except when it isn't. Volunteers have a wide variety of philosophies. Some volunteer because they want to see that the project is 'done right'. Translated that means 'done my way'. Some just want an easy job they can handle without too much effort or stress, that they can still claim credit for. There is nothing wrong with that. Others realize that unless they volunteer, that job will simply not get done, so they feel guilty and volunteer for something they would really much rather someone else did. This is not exactly ideal.

So my philosophy as President has been to find someone who shares my goals for any open job. I then appoint them, provide some support and get out of the way and let the appointed person make something happen. They get to do it their way, and take all the credit. Remember, if they succeed, I succeed.

The enemy of this philosophy is the person who does not volunteer to do the job, but then wants to tell the person who did volunteer just how to do it. First, nobody in charge wants to be told how to do their job. Nobody! Especially if you are right and they are wrong. This is exceptionally true when the job in question is being done out of the goodness of someone's heart. It makes them question why they are bothering to even try, and next thing ya' know, I have to go find a replacement for them.

Now I'm not suggesting that if you have good advice to give a team leader, that you shouldn't give it to them. But you should do so in private. This allows the team leader to either tell you why he or she does not agree, or they can implement your idea, and give you full credit. That way you get credit for the idea, and they get credit for realizing it was a great idea. It's a win-win. But if instead you take your idea directly to everyone involved, you undercut the leader's authority, you circumvent the chain of command, and you put the leader in the perfect position to simply say no, which will likely make neither of you very happy.

Giving unsolicited advice can easily make enemies out of friends. You need to be careful here. In a word, be 'diplomatic'. Please remember resignations seldom make your President happy about those who caused them. Its extra work for me. So if you want to do it your way, do it my way. Volunteer to accept a leadership position. Likely you have great ideas that the club will benefit from.

So what I'm saying here is, I don't care how good your proposals for change are, if you want to see them implemented, please be diplomatic and considerate in the way you deal with our volunteer leaders. We may have many volunteers, but we have well less than we need. Please help us avoid losing those we have, and please add your name to the list if you can.

A leader is a terrible thing to waste.

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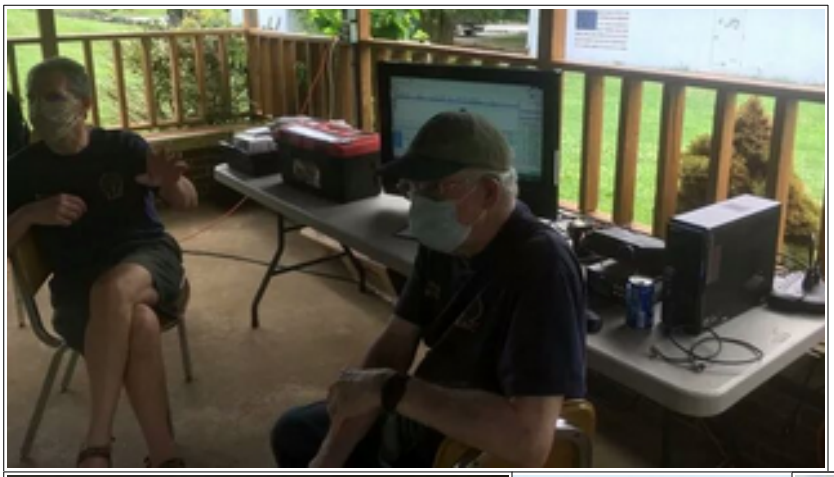
ARRL FIELD DAY 2020

www.arrl.org



KN6EQU Balloon Wins Cross-Country Educational Challenge Race

Amateur Radio on the International Space Station (ARISS) partner ISS-Above inventor Liam Kennedy, KN6EQU, of Pasadena, California, has been declared the winner of a mid-altitude cross-continent educational challenge balloon race. His balloon was one of four launched on June 1 from the west coast with the goal of being the first to reach the Eastern Time Zone.

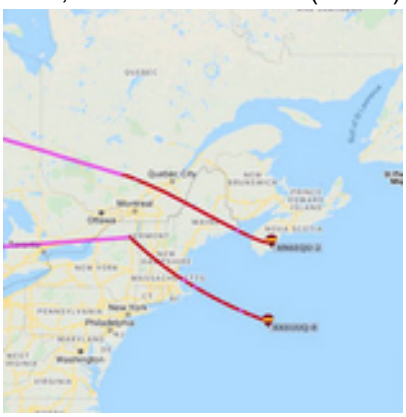
Joanne Michael, KM6BWB.

Coming in second was the balloon of Ted Tagami, KK6UUQ, from ARISS partner Magnitude.io.

It all began when educator Joanne Michael, KM6BWB -- a science coach at the Wiseburn Unified School District in Los Angeles -- challenged another ARISS partner group to a mid-altitude, cross-continent balloon race. Michael has led her students in several balloon launch attempts from the Los Angeles area. Given the disruption caused to schools by the COVID-19 pandemic, Michael wanted to shake things up a bit and give students worldwide a unique distance-learning treat that could safely be accomplished during the pandemic. She challenged Tagami, and he accepted. On May 31, a fourth team joined in the competition: Steve Potter, K7HAK, and Trevor Macduff of Washington.

Tagami launched his balloon from Oakland, California. Kennedy got wind of the idea and also came on board, launching from Pasadena, California. Michael set her balloon aloft in Los Angeles, while Potter and Macduff's balloon lifted off from southern Washington.

ARISS, Magnitude.io, and ISS-Above are ISS National Lab Space Station Explorer (SSE) partners that work to inspire, engage, and educate students in science technology engineering, arts, and mathematics (STEM) topics and to pursue careers in those fields.



The story caught fire on social media, inspiring one teacher to figure out how to initiate a launch from her school. "Let's get planning and get your thoughts and ideas, and let's make this happen for the students," she said in a post.

Students can still track each balloon's location, altitude, and temperature, which are fed automatically via the Automatic Packet Reporting System (APRS). The call signs are KM6BWB-9, KK6UUQ-8, KN6EQU-2, and K7HAK-11.

ARISS said the race initiative gave students the opportunity to tally and track the states each balloon traveled through and plot altitude versus temperature (and other parameters). Also, by researching weather patterns, students could make assumptions from their own data. This could include speed variations due to weather. They could also predict each balloon's flight path and when each might cross the finish line.

For more information on the balloon launch, lesson plans, and the livestream video link, visit the ARISS Mid-Altitude Balloon Race page.

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WSJT-X Version 2.2.0 is Now in General Release

WSJT-X version 2.2.0 is now in general availability release, after a short period in beta (or release candidate) status. *WSJT-X* version 2.2 offers 10 different protocols or modes -- FT4, FT8, JT4, JT9, JT65, QRA64, ISCAT, MSK144, WSPR, and Echo. The first six are designed for reliable contacts under weak-signal conditions, and they use nearly identical message structure and source encoding. JT65 and QRA64 were designed for EME ("moonbounce") on VHF/UHF bands, but have also proven very effective for worldwide very low-power communication on HF bands.

"FT8 is operationally similar but four times faster (15-second T/R [transmit-receive] sequences) and less sensitive by a few decibels," developer Joe Taylor, K1JT, explains in the version 2.2.0 User Guide. "FT4 is faster still (7.5-second T/R sequences) and especially well suited for contesting."

Taylor noted that even with their shorter transmit-receive sequences, FT4 and FT8 are considered "slow modes," because their message frames are sent only once per transmission. "All fast modes in *WSJT-X* send their message frames repeatedly, as many times as will fit into the [transmit] sequence length," he explained.

Compared with FT8, FT4 is 3.5 dB less sensitive and requires 1.6 times the bandwidth, but it offers the potential for twice the contact rate.

New in *WSJT-X* version 2.2.0: FT8 decoding is now spread over three intervals, the first starting at 11.8 seconds into a receive sequence and typically yielding around 85% of the possible decodes. This means users see most decodes much sooner than with previous versions. A second processing step starts at 13.5 seconds, and a third at 14.7 seconds.

"Overall decoding yield on crowded bands is improved by 10% or more," Taylor said.

Other changes: Signal-to-noise (SNR) estimates no longer saturate at +20 dB, and large signals in the passband no longer cause the SNR of weaker signals to be biased low. Times written to the ALL.TXT cumulative journal file are now correct, even when decoding occurs after the T/R sequence boundary.

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What is that signal I just heard?

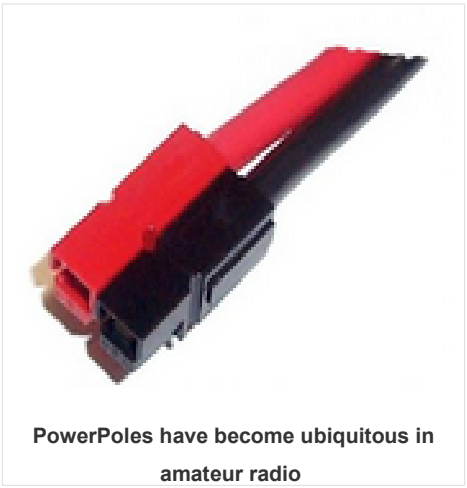
SIGNALWIKI

Here is a site that has cataloged various transmissions and attempts to identify them. There are recording and waterfall signature that you can use to compare.

ecuring PowerPole Connectors

By Dan Romanchik, KB6NU

In preparation for this year's Field Day, I made a bunch of cables with PowerPole connectors to connect the solar panel, charge controller and batteries that I used. If you're not familiar with PowerPoles, you might want to check out this YouTube video. They're really great connectors, and have become the DC connector of choice for many hams.



PowerPoles have become ubiquitous in amateur radio

When I make up PowerPole cables, I normally don't bother trying to secure the two halves together, especially if you're using some decently heavy gauge wire. They fit together pretty tightly, and don't come apart easily. Even so, I think securing them together is a good idea. You can buy a little roll pin to insert between the red and black housings that is supposed to prevent them from coming apart, but many folks complain that the pin has a tendency to fall out. This not only defeats the purpose, but could also damage your equipment.

Securing them is the right thing to do, though, and I recently came across some great suggestions on how to do this in the daily digest that I receive from the Elecraft-KX mailing list. Here are the best tips from the thread, Securing Anderson Power Poles:

- Rudy K8SWD: You can thermally bond the red and black housings with a soldering iron like you are making little welds on both sides. Permanent (mostly) but it works better than the roll pins. Just clean the tip really good before soldering!
- Dave K0CDA: [Anderson] also make connectors that are thermally bonded together in pairs. They do NOT come apart.
- Don W3FPR: I use a drop of Super Glue on the junction of the plastic pieces. Warning – that glue grabs quickly, so slide the 2 pieces onlyl enough to start the assembly, then apply the drop of glue and quickly finish sliding them together. I have never had ones prepared like that come apart, and I don't use roll pins. I will say one more thing – use only the genuine APPs. I have seen some knockoffs that do not mate well.
- Greg KC9NRO: Take a hot soldering iron. Wipe the tip with sponge. Run the tip down both side of APP bonding the black and red sides together. Clean soldering iron tip and apply some solder to tip. That's how I roll. Never comes apart
- Mike AI4NS: PVC cement will soften the plastic enough to bond them together. You can also get plastic welding rods, such as Daindy Plastic Welding Rods. Chuck a rod in a Dremel and weld them together. I have made plastic boxes and panels using this method.
- Jack WD4E: Snip the cotton end off a Q-tip, cutting at an angle. Insert into hole made for roll pin, cut off excess, save remainder of Q-tip for next requirement.
- Troy K4JDA: 2.5mm screws work well, stay in, and are easily removable.

I posted these suggestions to my blog and got a few more great suggestions:

- Tom KB8UUZ: Fat tooth picks also work great. Jam it in, break it off.
- Bruce N0NHP: I use MEK (Methyl Ethyl Ketone) replacement to clean my circuit boards after soldering. A single drop of MEK on the junction between the two halves of the PowerPole shell will fuse them. It can be broken with a sharp tap but not accidentally. It will set and dry in seconds and should be applied after the shell pieces are put together.

I think these are all great suggestions. I think that I'm going to try the cotton swab method. While reading them, another thought occurred to me. I haven't tried this yet, but I'm thinking a little drop of hot glue on the roll-pin hole might work, too.

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Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog (KB6NU.Com), the "No Nonsense" amateur radio license study guides (KB6NU.Com/study-guides/), and often appears on the ICQPodcast (icqpodcast.com). When he's not thinking up new ways to keep his PowerPoles together, he likes to teach ham radio classes and operate CW on the HF bands.

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We use our voices to help others, the future of Amateur Radio is in your hands.

Used with permission MDC Newsletter April 18, 2019

AARC STAFF – 2020

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Club Picnic	Jim Myrick / W3JLM picnic@w3vpr.org	
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HAMM-MESH	(TBD) hamm.mesh@w3vpr.ORG	
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Rules	Chuch Tanner / K3ACT rules.chair@w3vpr.org	301 464 2667
Service Hours	Jim Wallace / N3ADF service.hours@w3vpr.org	301 538 6233
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Webmaster	Mark Bova / W2PAW webmaster@w3vpr.org	240 274 6294
Wed. Nite Net	Mike Waterson / K3MAW wednesday.night.net@w3vpr.org	
Winter Field Day	Rick Steer / AB3XJ winter.field.day@w3vpr.org	
Workshop	(TBD) workshop@w3vpr.org	

Groups

Board of Directors	board20@w3vpr.org
Kit Building Committee	kitbuilding@w3vpr.org
Rules Committee	rules@w3vpr.org

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VE Testing Schedule

Second Saturday of each month – Noon – AARC –
David Rawley, N3AT
testing@w3vpr.org

Third Saturday of each month – 9AM – Laurel ARC – John Creel, 301-572-5124
Fourth Tuesday of each month – 6PM – [illegible] – Mike Montrose, [illegible] 443-310-4907, website is tinyurl.com/marylandmobileers

To all sessions 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)

Please Check W3VPR.ORG for VE Testing Schedule

Please Check W3VPR.ORG for VE Testing Schedule

Annual National Hurricane Center Station WX4NHC Readiness Test Successful

The *National Hurricane Center's Amateur Radio station* - WX4NHC - operators, working from homes, conducted their annual test to check readiness of the station and other amateur radio stations and operators around the country and world on May 30. The station marked its 40th year of public service there. Julio Ripoll, WD4R, the Assistant Amateur Radio Coordinator at the NHC, reports that five WX4NHC operators made 146 contacts with US and Caribbean stations despite poor propagation on the HF bands (7 and 14 MHz). They worked stations as far north as Maine, and as far south and west as Aruba and Curacao, Puerto Rico, and Texas, among other states and countries.

Operators also made many contacts using digital modes including Winlink. Ripoll also reported that operators worked many stations throughout Florida using the statewide SARNET UHF repeater network that connects 27 repeaters from Key West to Tallahassee.

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Optionally, a station performing roaming operations (e.g., from multiple grid squares) can choose to have *TQSL* assume that the log is correct. When call sign or home station are provided with the log, *TQSL* will automatically update the details on the upload. Select "Override Station Location with QTH Details from your Log" on the "Log Handling" preference page to enable this feature.

This release also includes an update to the most recent *TQSL* configuration file. -- *Thanks to Rick Murphy, K1MU*

Used with permission The ARRL Letter for April 9, 2020

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International Lighthouse Lightship Weekend

International Lighthouse Lightship Weekend (ILLW) 2020 will take place over the August 22 - 23 weekend, a week later than usual to avoid conflicting with special events that may be on the air to commemorate the 75th anniversary of the cessation of World War II hostilities in the Pacific.

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"The Last Active Morse Code Station in the US,"

In a video, "The Last Active Morse Code Station in the US," Shannon Morse, KM6FPP, of Richmond, California, visits coast station KPH, which provided ship-to-shore communication using Morse code. Maritime Radio Historical Society (MRHS) volunteers have preserved and maintain the station and keep it on the air (along with the associated amateur station K6KPH). The COVID-19 pandemic has put KPH off the air "for the duration."

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2020 Hurricane Season

Monday, June 1, was the start of the 2020 hurricane season. We have had relatively quiet hurricane seasons in the past few years, but this year is projected to be an active season with 13-19 named storms, and 6-10 hurricanes with 3-6 becoming major hurricanes. We, as Amateur Radio operators need to support our communities. The 2020 hurricane season will be different than in the past, with COVID-19 playing a large part in our planning, preparations and operations.

We need to consider the guidelines provided by the Centers for Disease Control and Prevention (CDC), and state and local health departments when planning, and assuring an adequate amount of the appropriate protective supplies. Gloves, masks, and hand sanitizer are just a few items operators should have on hand. Don't wait until a few days before a storm -- by then, it will be too late and there may be limited or even no supplies. When you go on your regular shopping trips *now*, grab an extra box of gloves, masks and hand sanitizer. That way, you'll have all the supplies you need to be prepared.

Keep your skills sharp and practice by participating in Field Day at the end of this month and other local and regional exercises with your local club or ARES group. Have an on-air discussion of topics such as antennas, grounding, local net procedures and frequencies and so on. These might seem like simple subjects, but all of us, veterans included, need review and updates. We also have new operators with new licenses who are just starting to learn about ARES. Remind new and old amateurs on proper repeater operation -- don't use 10 codes, don't key up a repeater and not identify, keep transmissions brief and transmit only when necessary. Listen more, transmit less. *Don't practice until you get it right, practice until you can't get it wrong.*

By Karl Martin, K4HBN,
ARRL Northern Florida Section
Emergency Coordinator

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58 Starlink Satellites Into Orbit

A June 13 SpaceX Falcon 9 vehicle launch placed another 58 Starlink satellites into orbit, bringing the total of the internet service satellites to 540. SpaceX has applied to the FCC to put upward of 30,000 Starlink spacecraft into orbit. "Starlink is designed to deliver high-speed broadband internet to locations where access has been unreliable, expensive, or completely unavailable," SpaceX said. "Private beta testing is expected to begin later this summer, followed by public beta testing, starting with higher latitudes."

Used with permission The ARRL Letter for June 17 2020

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The Anne Arundel Radio Club is a registered 501C3 charity. We are pleased to receive any donations over your yearly dues.

Rescued Radio Amateur Says, "Ham Radio Saved My Life"

Alden Sumner Jones IV, KC1JWR, of Bennington, Vermont, is thankful for amateur radio, after he suffered a medical incident and lost consciousness on June 15 while hiking with others along a remote section of the Long Trail, not far from his home. An EMT from Appalachian Mountain Rescue (AMR), who was hiking nearby, saw Jones pass out, but was unable to connect with 911 via his cell phone. Jones, 41, regained consciousness and was successful in contacting Ron Wonderlick, AG1W, via the Northern Berkshire Amateur Radio Club's K1FFK repeater on Mount Greylock. Wonderlick initiated what turned into an 8-hour effort to get Jones off the trail and to a medical facility, acting as a relay among Jones, emergency crews, and other agencies involved. As the *Bennington Banner* reported, "The Vermont State Police also received assistance from several licensed amateur radio operators who helped facilitate communications, greatly assisting in the rescue."

A helicopter-supported litter carries Alden Sumner Jones IV, KC1JWR, to safety. [Vermont State Police photo via the Bennington Banner]

Matthew Sacco, KC1JPU, headed to a staging area where rescue crews were gathering. When he could not make it into the repeater, he employed some ham radio ingenuity to fashion a J-pole antenna from some window line he had on hand, casting it into a tree using a fishing pole. That did the trick. An individual on site was able to obtain an accurate location for Jones using the GPS on his cell phone.

After it was determined that rescuers could not reach Jones using an all-terrain vehicle, arrangements were made to have a search-and-rescue crew from New York retrieve Jones by helicopter. Amateur radio participants were able to relay critical information, including an accurate location, as preparations continued.

Jones, meanwhile, took advantage of his time with the EMT and other rescuers to talk up amateur radio and explain how to get licensed. According to one account, rescuers were having trouble making contact with the helicopter, so Jones loaned them a better antenna he happened to have.

Jones was eventually flown to a hospital in Albany, New York, again taking advantage of the occasion to promote amateur radio to the helicopter pilot and crew. Jones is said to be recovering.

"Ham radio saved my life last night, and I am very thankful for how everyone helped me," Jones said afterward.

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Tennessee Court of Appeals Affirms Contempt Ruling Against Radio Amateur

A Tennessee Court of Appeals has affirmed a radio amateur's liability for a 30-day jail sentence for violating a court directive to refrain from contacting another radio amateur who had filed a temporary order of protection. The appeals court's June 11 determination upheld a lower trial court ruling that found Michael J. Mgrdichian, ex-N2FUV, of Kodak, in criminal contempt for violating the order by contacting Jamie Faucon, N3FA (ex-AA3JF) of Knoxville via ham radio on three separate occasions. Mgrdichian appealed, primarily asserting that the lower court lacked jurisdiction over the case, because amateur radio is regulated by the FCC, a federal agency.

Faucon claimed that Mgrdichian had "stalked, threatened, and harassed" her on multiple occasions between 2016 and 2019, claiming that the threats were made via ham radio after Faucon had asked Mgrdichian to cease his actions. Faucon claimed that problems between her and Mgrdichian began after she complained to the FCC, alleging that Mgrdichian was using racially abusive language on the air. That matter was not at issue in the appeals court ruling.

The trial court had issued a temporary protection order for Mgrduchian to cease contacting Faucon, "either directly or indirectly, by phone, email, messages, mail, or any other type of communication or contact."

Mgrdichian attempted to have the lower court case dismissed by arguing that state courts do not have jurisdiction over any communication involving amateur radio. The trial court maintained, however, that it did have jurisdiction based on an alleged violation of the temporary protection order.

"The [temporary restraining] order did not prohibit [Mgrdichian] from using amateur radio; it did not attempt to establish a permitted level of interference; and it did not originate from, or result in, a nuisance claim," the appeals court reasoned in its ruling. "Instead, the subject matter of this case primarily rests on [Mgrdichian] violating the [temporary restraining] order by contacting [Faucon] on amateur radio. A party's radio usage -- whether it be commercial or amateur -- does not automatically preempt the case from being heard by a state court."

The appeals court determined that the trial court had jurisdiction to find Mgrdichian in criminal contempt of court when he violated the temporary restraining order by contacting Faucon via amateur radio.

The appeals court upheld findings that Mgrdichian was in contempt of the trial court's order on three occasions, each calling for 10 days in jail and a fine.

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W1AW 2020 Spring/Summer Operating Schedule

Morning Schedule:

Time	Mode	Days
1300 UTC (9 AM ET)	CWs	Wed, Fri
1300 UTC (9 AM ET)	CWf	Tue, Thu

Daily Visitor Operating Hours:

1400 UTC to 1600 UTC - (10 AM to 12 PM ET)
1700 UTC to 1945 UTC - (1 PM to 3:45 PM ET)

(Station closed 1600 to 1700 UTC (12 PM to 1 PM ET))

Afternoon/Evening Schedule:

2000 UTC	(4 PM ET)	CWf	Mon, Wed, Fri
2000 "	"	CWs	Tue, Thu
2100 "	(5 PM ET)	CWb	Daily
2200 "	(6 PM ET)	DIGITAL	Daily
2300 "	(7 PM ET)	CWs	Mon, Wed, Fri
2300 "	"	CWf	Tue, Thu
0000 "	(8 PM ET)	CWb	Daily
0100 "	(9 PM ET)	DIGITAL	Daily
0145 "	(9:45 PM ET)	VOICE	Daily
0200 "	(10 PM ET)	CWf	Mon, Wed, Fri
0200 "	"	CWs	Tue, Thu
0300 "	(11 PM ET)	CWb	Daily

Frequencies (MHz)

CW:	1.8025 3.5815 7.0475 14.0475 18.0975 21.0675 28.0675 50.350 147.555
DIGITAL:	3.5975 7.095 14.095 18.1025 21.095 28.095 50.350 147.555
VOICE:	1.855 3.990 7.290 14.290 18.160 21.390 28.590 50.350 147.555

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 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 2230 UTC (6:30 PM ET), 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 0000 UTC (8 PM ET) Thursdays and 0000 UTC (8 PM ET) Fridays.

Audio from W1AW's CW code practices, and CW/digital/phone bulletins is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The monthly W1AW Qualifying Runs are presented here as well. The CW/digital/phone 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.

FCC licensed amateurs may operate the station from 1400 UTC to 1600 UTC (10 AM to 12 PM ET), and then from 1700 UTC to 1945 UTC (1 PM to 3:45 PM ET) Monday through Friday. Be sure to bring your current FCC amateur license or a photocopy.

The complete W1AW Operating Schedule may be found on page 91 in the March 2020 issue of QST or on the web at, http://www.arrl.org/w1aw-operating-schedule .

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Quote of the Month

"I have been frankly fascinated with that unpaid group of people with those ham radios, the Amateur Radio Emergency Service (ARES) makes available a wireless system that seldom if ever can be totally disrupted by a disaster -- ham radio operators are the heart, the soul and the life blood of that system."

-- The Hon. Mayor Willie Brown,
Mayor of San Francisco (1996-2004)

Former FEMA Administrator Craig Fugate, KK4INZ, Says Emergency Communications Will be the Next COVID Challenge

Craig Fugate, KK4INZ, FEMA Administrator during the Obama Administration, expressed powerful remarks in a recent edition of *The Hill*. Fugate's comments prompted Bob Inderbitzen, NQ1R, of the ARRL HQ staff, to respond:

"He's spot-on. I know I'm preaching to the choir, but Fugate's remarks help underscore the important and continuing role of radio amateurs in this nation and world where smartphones are now the common denominator. The radio amateur is skilled in both radio technology and radio communications - valuable resources in a society where "wireless" connects nearly everything, and few know how it works. Irrespective of the frequencies or equipment we use, the Federal Government has deemed radio amateurs so valuable we're referred to as a "reservoir ... of trained operators, technicians, and electronics experts" and recognized for our value to the public, especially in providing emergency communications:

- We can deploy temporary communications infrastructure using our own personal communications capability and equipment. As we learned during recent hurricanes, this means we can give service to the public and our partners in emergency response even before repairs are made to regular communication networks.
- Just because an emergency responder is equipped with a working communication system doesn't mean they have the training to use it under adverse conditions or fix it. We've similarly learned that the training some radio amateurs pursue to communicate and exchange critical information (traffic) is a valuable skill during emergencies. This is why so many of our volunteers also support communications during events and marathons - even shadowing EMTs and Red Cross personnel.

"A pilot-ham recently explained to me why she got her Amateur Radio Service license: she said avionics and the pilot's ability to communicate-by-radio require more training and skill than you get learning to fly. Ham radio has become her breadboard for developing a technical competency with radio communication and her on-air practice." - *Bob Inderbitzen, NQ1R, Product Development Manager, ARRL Administrative Headquarters*

[Thanks go to Bill Morine, N2COP, ARRL Vice Director of the Roanoke Division, for calling the article to our attention and commenting: "I'm glad you agree that Fugate's remarks are poignant and relevant, not only to ham radio overall, but especially to Field Day. This year we are encouraging that all social media posts related to Field Day please include the hashtag #ARRLFD to help generate more awareness." -- ed.]

Used with permission The ARES E-Letter for June 17, 2020

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ARRL Volunteer Monitor Program Recognizes Good Operators

Volunteer Monitor Program Coordinator Riley Hollingsworth, K4ZDH, said the program has recognized numerous radio amateurs with Good Operator Notices.

"One facet of the ARRL and FCC agreement that set up the Volunteer Monitor Program calls for ARRL to recognize especially good amateur radio behavior, in order to encourage compliance with FCC rules and further the efficiency of the Amateur Radio Service," Hollingsworth said. "Seventeen operators in 15 states received Good Operator Notices in the first quarter of 2020. The Good Operator Notices went to veteran operators as well as newcomers, including a 13-year-old in North Carolina for CW operation during the Youth on the Air Special Event, and a 14-year-old in Wyoming for SSB operation."

Hollingsworth also said that a 2-meter repeater operator received a Good Operator Report for establishing and managing a COVID-19 net in Pennsylvania, while other operators of various license classes received notices for everyday SSB and CW operation on the HF bands. Recipients were nominated on the basis of operation observed by Volunteer Monitors (VMs).

According to Hollingsworth, Volunteer Monitors reported 2,035 hours monitoring on HF, and 2,856 hours monitoring on VHF/UHF and other frequencies during May.

After kicking off on January 1, the new Volunteer Monitor Program ramped up to operational status earlier this spring, starting with a "soft rollout" that started on February 1, designed to familiarize VMs with issues on the bands and to put into practice what to report and what to ignore, based on their training.

Hollingsworth uses a system called *VMTRAC* -- developed by a VM -- to measure the work of VMs and determine instances that qualify for good operator or discrepancy notices, referral to the FCC, or follow-up with FCC requests to the VM program. -- *Thanks to Riley Hollingsworth, K4ZDH*

Used with permission The ARRL Letter for June 11, 2020

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Scott's YouTube Channel

Scott DeMatteo (W3GTR) has started his own YouTubeChannel with info of interest to hams. Click on the link below to see it.

https://www.youtube.com/watch?v=e_6mX7QbTvY&feature=emb_title?

***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 David Rawley / AE5Z, testing@w3vpr.org

Weekly AARC 2-Meter Net on 147.105 (Typically linked to 147.075 and 444.400 with CTCSS tone of 107.2 Hz) every Wednesday at 8 PM - All Welcome

2 meter "HOLLY NET" on 147.105 (Typically linked to 147.075 and 444.400 with CTCSS tone of 107.2 Hz) every morning 7:00 am to 9:00 am. All hams are welcome.

EVENT SCHEDULE

Thursday, July 9, Board Meeting

Saturday, July 11, VE Testing

Thursday, July 16, Membership Meeting

Thursday, July 23. Rules Committee

Saturday, July 25. Endless Summer 6-Hour Run

P L E A S E during this extraordinary time, check the AARC Calendar for full information.

Stay tuned to the W3VPR Repeaters for information and also lend assistance where necessary.

Thank you very much.

AARC 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
The “Holly Net”	147.105+ PL 107.2	Weekdays	0700
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.*

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
The "Holly Net"	147.105+Mhz PL 107.2	Weekdays	0700
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 PL 107.2	1st Sunday	1930

The Radio Amateur Operator is...

CONSIDERATE

...He/[She] never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL

...He/[She] offers loyalty, encouragement and support to other amateurs, local clubs, the IARU Radio Society in his/[her] country, through which Amateur Radio in his/[her] country is represented nationally and internationally.

PROGRESSIVE

...He/[She] keeps his/[her] station up to date. It is well-built and efficient. His/[Her] operating practice is above reproach.

FRIENDLY

...He/[She] operates slowly and patiently when requested; offers friendly advice and counsel to beginners; kind assistance, cooperation and consideration for the interests of others. These are the marks of the amateur spirit.

BALANCED

...Radio is a hobby, never interfering with duties owed to family, job, school or community.

PATRIOTIC

...His/[Her] station and skills are always ready for service to country and community.

- adapted from the original Amateur's Code, written by Paul M. Segal, W9EEA, in 1928The Radio Amateur's Cod