The Ham Arundel News

Providing Fellowship and Community Service through Amateur Radio since 1951

April 2020

41st Year of Publication



Keith Miller, AE3D

Prez Sez

One day there was a new virus in town, and the whole world changed. Meetings were cancelled, events postponed, people hung on the words of politicians and doctors, and everyone worried that the next person they touched might "have it". Those like myself, over 70 and with multiple health factors like athsma, high blood pressure and atrial-

fibrillation were all wondering what their fate might be.

It's a couple weeks later now, and we're beginning to readjust to our new reality. And that reality is, we are the lucky ones! While others are home, alone, isolated, bored, worried, and unsure in general we have Amateur Radio. Remember the "When all else fails".....

Flip a switch and you have friends to talk to. You still have the world to explore on FT4 or FT8, and who knows what the incoming sunspot cycle will bring. You can talk to your fellow AARC members on a variety of repeaters. And while the Holly Net might be a little off as workers stay home, the Wednesday Night Nets just set an all time check-in record. Who else can just call "CQ Italy" and find out how the virus is progressing there. Nobody. So go do it. You have even more flexibility if you have an HT with a HotSpot.

Most of us have the Internet. If you want to upgrade, take an online course. Or check out YouTube, for a world's worth of old and new technologies. Teleworking?

Self quarantined? Use that commute time you now have free, to do a little research for your next ham radio project. You know this ain't all bad?

And just because you don't see your Board of Directors every few days, does not mean we are asleep at the wheel. We are trying to keep the club agenda moving forward. Field Day might still be on the calendar, whether in June, or pushed forward a month or two. We have to be ready. I know I haven't scrubbed plans to do antenna work at my place. As soon as my symptoms clear I'll be outside doing it. Meanwhile Board member Doug Ellmore has already rewired some new communications equipment into his sailboat, and Board Member Scott DeMatteo is putting his effort into creating a W3GTR YouTube Channel. You should check it out.

It looks like we will hit another first before this is over. It seems we have some spending Motions that needed voted on. So before the end of April we plan to hold a Membership Meeting via teleconference. The idea is to remain safe, yet move forward as best we can. Progress may be slower but its still progress.

Speaking of slowing us down, I have a story to tell. I'm counting on you being stuck at home, with plenty of time to read it. In 2018 the AARC was offered the services of Doug Ellmore in creating a "W3VPR mailing list". Well over half our members signed up though it appears few had experience using mailing lists, myself included.

The idea was to spark some lively discussions on various club related topics. The way this list works, is that you first request to become a subscriber. The applicant is checked to ensure they are an AARC member, and then is granted a subscription.

Subscribers receive every single email sent to the mailing list by all other subscribers. They may choose to receive these as they come in, or in digest form which means several messages per email. Being unfamiliar with mailing lists, most AARC members opted to get them one at a time. Many will be sorry they did that.

If I send a message to this "W3VPR mailing list", it goes to everyone as expected. But if any of those people just hits reply to that message (like they do for every other email), the reply does not go to the sender, it goes back to the list, so all subscribers including the sender receive it. So you send a message that maybe 10 of 200 members are really interested in. Now add in all the replies that will go to everyone, and you will find members who quickly feel the mailing list is mostly sending gobs of junk mail, and they quickly unsubscribe.

At this point I discover that the AARC's ISP, Hostrocket, does indeed give the club access to the same mailing list program that Doug was using, "Mailman".

So I decide to set up a new "Members mailing list", perfect for announcing speakers, presentations, upcoming spending votes, scheduling or re-scheduling of meetings, and even the ByLaw required notice of the Annual Meeting. I set this up so that nobody could send messages but me. So all replies come to me, and I get to decide if everyone gets to see that message, or if the message was just for me.

Then I got my first unsubscribe request. Not wanting to kill the list's use for the Annual Meeting, I opted to move his name from the "Members mailing list" to and "Unsub-Members mailing list". That way I could still email both lists for the Annual Meeting notice. I thought for sure all the problems were solved.

Then COVID-19 happened. I had to send out lots of notices on canceled meetings and other changes. Almost immediately Hostrocket accused me of being a

spammer, and at the height of when you needed to know things, cut my access to using the club's mailing list to send anything. This was nuts.

Turns out Hostrocket has a policy that does not allow anyone to send out more than 50 emails per hour. If you do, they consider you a spammer. So mailing to our over 180 members is not allowed. What? Their advice to me was to cut the mailing list into four parts, and send them out one at a time with an hour interval in between. This will likely become six parts by year's end.

Meanwhile people keep sending stuff to the "Members mailing list" that does not pertain to meetings at all in the hope I will forward it to all members. I have better things to do with four to six hours.

So I have two requests of you. First, don't send anything to members@w3vpr.org that is not essential information about a Membership Meeting. Second, make use of the extra 'at home' time, get on the air all you can, keep your spirits up, talk to your ham radio friends, and above all be safe.

We may have quite a few members, but we have none to spare. This virus may slow us down, but it's not going to stop us. We are the Anne Arundel Radio Club and we can and will get past this.

73!

Keith, AE3D



W3VPR Club News

MASTER CANCELLATION LIST

First you should know that by order of Governor. Larry Hogan, social gatherings of more thant 10 people are now strictly prohibited. Besided our regular club meetings, and licenses classes which have already been cancelled, I would suggest meetings of the Board, the Rules Committee, HSMM-MESH, and the Kit Building Workshop might exceed 10 participants on a good day, making it ill advised to have such meetings in the club house. We can't close all access to the club house, but, we must not violate the Governor's order either. Therefore we are already making plans to hold our April Board Meeting by teleconference. If anyone wants to hold a group meeting by repeater, teleconference, Skype or some other service, please feel free to do so. We may even have to hold a Membership Meeting by teleconference to pass spending measures. Watch the web site for details.

Spring Technician Class and General Class

Your President & Training Director is home sick. Due to resmblance of his symptoms to those of the COVID-19 coronavirus, we have thrown in the towel on the Spring Technician Class and the General License Class to follow. We will try to reschedule when things change. Sorry...

Anne Arundel Radio Club Meetings Cancelled

At the March Board Meeting it was decided that due to the COVID-19 pandemic all membership meetings would be cancelled through April. But in order to approve certain specing measures, we may have to hold a teleconference membership meeting at some point. Please consult this Home Page for such information when available.

Public Service Events Cancelled

Eric Graves. WA3G. our Public Service Events Coordinator informs me that just as the B&A Trail Marathon was cancelled, so is the Cherry Pitt event, and our participation for the Emily Schindler Memorial Scholarship Event. The next event still on the calendar is the METAVivor event in late may, which is also likely to be cancelled. Watch for further details.

Vienna Wireless Winterfest!2020 Postponed

The Winterfest!2020, with AUXCOMM conference, and VE Testing has all been postponed. We just don't know till when. COVID-19 strikes again.

Delmarva Amateur Radio and Electronics Expo Cancelled

This event previously scheduled for April 18th at the Cheer Community Center in Georgetown Delaware. and sponsored by the Sussex Amateur Radio Assn. has been cancelled. It wasn't for lack of interest.

HAMVENTION 2020 CANCELLED

The big daddy of all hamfests, the famous Dayton Hamfest, which in recent years has moved to Xinia, Ohio has now canceled. For details on the cancellation see:

https://hamvention.org/committee-cancelshamvention-2020/

Keith, AE3D

New MDC QSO Party Rules Adopted

Just before the March 5th meeting, your Board adopted new rules for the August 8th event. Click the link hereto see them.

New 2020 Maryland-DC QSO Party **Rules Adopted**

The basics changes are the addition of two categories, Rover for those who visit 3 or more MDC jurisdictions, and Unusual for modes of travel that didn't previously qualify under Mobile. We now allow FT8/4 contacts, and scoring was also changed. No longer will contact points depend on the category of the station you contacted. Now they will depend on your category and your power level, things you can control. This was all about leveling the playing field in a contest where previously 1500 watt stations competed directly with 10 watt stations. We have also added an overall Club award based on the participation percentage in a given ARRL club, and the total score of all their members who participated. The changes were all about rewarding skill over power level and luck and removing the advantage urban stations had over those in more rural and remote areas.

We hope you will take a good look at the new rules, and decide to participate in the Maryland DC QSO Party, August 8th this year.

Keith, AE3D

Field Day 2020 — A Time to Adapt

Many individuals and groups organizing events for <u>Field Day</u> 2020 have been contacting ARRL for guidance on how to adapt their planned activities in this unprecedented time of social distancing and uncertainty.

"Due to the unique situation presented this year, this can be an opportunity for you, your club, and/or group to try something new," ARRL Contest Manager Paul Bourque, N1SFE, said. "Field Day isn't about doing things the same way year after year. Use this year to develop and employ a new approach that is in line with the current circumstances."

Social distancing and state and local requirements very likely will impact just how — and even whether — you are able to participate in Field Day this year. ARRL continues monitoring the coronavirus situation, paying close attention to information and guidance offered by the Centers for Disease Control and Prevention (CDC). If social distancing means that Class A with a 30-member team set up in a city park won't work this year, then it's time for a Plan B. Part of the Field Day concept has always been adapting your operation to the situation at hand. At its heart, Field Day is an emergency communication demonstration. Field Day rules are flexible enough to allow individuals and groups to adjust their participation and strategies in a way that still addresses their needs while being fun. Some possibilities:

- Encourage club members to operate from their home stations on emergency power (Class E).
- Use the club's repeater as a means for individual participants to keep in touch during the event.
- Family members interested in operating Field Day and unable to participate as part of a larger group may want to consider setting up a portable station in the backyard with a temporary antenna.

One big impact this year will be a decline in public visibility and any interaction with the visitors. Prudence may dictate dispensing with the ham radio PR table to attract passersby, should you set up in a more public location. It's okay not to score all the bonus points you may have attempted in the past. Local and served agency officials may be unwilling to visit, which is understandable under the circumstances. Do be sure to reach out to them as part of your preparations and remind them that you look forward to continuing your working relationship with them in the future.

The impact will differ from place to place, so ARRL recommends that all amateur radio clubs participating in Field Day stay in regular contact with local or state public health officials for their advice and guidance on hosting Field Day activities.

Demonstrating an understanding of the health crisis we all face and your willingness to adapt will show that you and your club or group are good working partners with local or served agencies.

"With any emergency preparedness exercise, it's not about adapting the situation to your operation, it's about adapting your operation to the situation that presents itself," Bourque said. "Try something different. Learn something new about how you prepare. It may be a challenge, and you may have to ask yourself if you're up to the challenge. We hope to hear you on the air over the June 27 – 28 weekend." — *Thanks to Paul Bourque*, *N1SFE*, *and Dan Henderson*, *N1ND*

Used with permission ARRL News 3/27/2020

2020 Field Day Adjustment for COVID-19 MDC EchoLink Meeting for April 18th @ Noon

It is very likely our MDC Section 2020 Field Day will be impacted, postpone or cancelled due to novel Coronavirus Pandemic and Governor Hogan's & D.C. Mayor Bower's restrictions on public gatherings are in effect.

Share this message with your MDC Section Leadership, promulgate in your areas of responsibilities (ARES® / ARCs / NTS / Radio Groups / and all members). Please join us at the EchoLink Conference to share suggestions, comments and solutions for MDC 2020 FD.

All MDC FD2020 ARCs & Coordinators, please read the ARRL posting about ARRL Field Day 2020 http://www.arrl.org/news/field-day-2020-a-time-to-adapt

MDC EchoLink Meeting on April 18th @ 12 Noon until 1 PM ET *WASH_DC* Node 6154 and linked repeaters

I will be first with a suggestion:

Since 2m Simplex is divided into two groups -

- Lower portion of 146.400 to 146.595
- Upper portion of 147.405 to 147.585 FM
- w/o Natl. Calling on 146.520MHz.

I would like all Maryland/DC Field Day sites to use one Simplex TALK-IN frequency for FD2020 – something easy to remember e.g. 147.480 (mnemonic: 1+4+7. = 12 & 47 + 1 = .48]. Let us agree on "ONE MDC FD VHF FREQ." Those FD sites in close proximity (if FD2020 occurs) might hear and encourage traveling Hams to visit your FD site, too.something like this might work?

I will see & hear everyone on MDC Section-wide FD 2020 EchoLink Net via *WASH_DC* (and linked repeaters) on April 18th at Noon (12PM ET)

73,

Marty Pittinger KB3MXM Maryland/DC Section Manager, ARRL

Noobie Info

NEW TO THE ANNE ARUNDEL RADIO CLUB READ THIS PAGE.

(Ed.Note: all members should be familiar with the information contained here.)

The Anne Arundel Radio Club (AARC) meets on the first and third Thursday's of each month except in December when the first Thursday meeting is designated as the Annual Meeting, and the third Thursday meeting is replaced by a **Holiday Party** on a different night and time. We also tend to skip meetings when they fall on holidays.

The first meeting in any month is typically designated the Business Meeting where all reports are heard, prior to a short presentation on some topic of interest. The second meeting is typically called the Presentation Meeting, where business is held to a minimum to make room for longer presentations. Though most presentations have to do with Amateur Radio, we have had some very good ones that weren't. See the web site for details.

The second Thursday of each month, except December, we hold a **Board of Directors** meeting. The Board is comprised of seven individuals, who serve for one year terms. Directors are elected at the Annual Meeting in December. Within the seven are the four named officers, the President, Vice President, Secretary and Treasurer. The remaining three are deemed to be Directors at Large. By common practice Presidents tend to serve no more than two consecutive terms.

The fourth Thursday of each month is reserved for Rules Committee meetings. This generally skips both November, for Thanksgiving, and December, to allow for holiday shopping.

Meetings typically run from 7:30pm till around 9:00pm, and are open to the public with few exceptions. Thought everyone can attend, members are the only ones allowed to vote. There is no age limit for membership or voting, and you don't have to be a licensed ham to be a member. You do have to have an interest in the hobby, pay any dues due, and be accepted into membership by a majority vote of the Board of Directors (Quorum 4), and a majority vote of the membership present (Quorum 20).

Speaking of dues, the dues year runs from January 1st through December 31st of any calendar year, with one exception. Dues paid, or free membersships granted, between November 1st, and December 31st shall cover the following year, plus any remaining portion of the current year. Therefore dues paid, or free memberships granted between January 1st and October 31st shall only apply to the remainder of the calendar year.

The dues, by the way, are set by the Board of Directors. Currently yearly dues are \$45 for a Family Membership, \$30 for a Regular Membership, and \$15 for a Student Membership. As noted above the Board has also created Free Memberships. To qualify you must never have been a member of the AARC, and must apply

within 90 days of completing one of the following: 1) Passing your FCC license exam after having taken an AARC license course designed for that level of license, or 2) Have either received your first ham radio license, or your most recent license upgrade by passing your license exam at the **AARC Club House** facility.

Note that the 90 day time limit can be a big help to someone passing their exam in August or September. If those individuals wait till November 1 to apply, they can greatly extend the length of their free memberships.

Be aware non-payment of dues moves you from active status to inactive status. It does not terminate you. IYou will lose your right to vote, but you will remain as an inactive member. If you wish to reactivate your inactive membership at any time, you simply have to pay dues for the current period and you are instantly reinstated to full active status.

One of the advantages of active status is membership level access to the website. This means when you log on, you can access a number of web pages not available to non-members, or inactive-members. One of those pages is the **renewal form** which you need to return you to active status. You can, however always reach it from this page.

The AARC also has a training program. Classes for the entry level <u>Technician Class License</u> are taught both spring and fall. A course for the <u>General Class License</u> is also taught in spring, between the end of the Technician Class and the June testing date. The idea here is to have the new Generals ready for <u>Field Day</u> in late June. And though we don't have our own Extra Class course, we can point you to what is likely the best you can find anywhere, taught in January at the nearby National Electronics Museum in Linthicum by Rol Anders (K3RA) who chairs the FCC committee that selects the actual test questions.

You should also know we have an AARC Offical Calendar which is on the Club menu. It lists things like Public Service Events for which we almost constantly need volunteers, the **Kit Building Workshop** typically the last Sunday of the month at 1:00pm, and the HSMM-MESH group that meets on the third Sunday of the month at 1:00pm. You'll also find references there to events like Field Day (June), Winter Field Day (January) and the Maryland DC QSO Party (August) which the club participates in yearly, and a number of area **Hamfests** and technical flea markets plus other emergency preparedness events.

Finally you should note that on this web site, under the "Participation Menu" is an item called "Contact Us". From that page you can type a note to any of the four named club officers, or to all the Board Members at once, or most of the Committee chairs and Team leaders. You just choose the recipient from a pull down menu. Thus, as it should be, you have email access to those who are in leadership positions.

Keith. AE3D

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.voutube.com/watch? v=e 6mX7QbTvY&feature=emb title?

^^^^^^^ Repeater Feed on Website

There is now a live feed of the 147.105 repeater on the W3VPR website. It is hosted by Broadcastify.com, where it is also available.

The feed is currenly being fed by KB3YMU using a Uniden BCD436 scanner, an old Dell laptop running Proscan. The site is backed up with UPS and generator.

This is an informational feed due to the delay(90 seconds), this is just inherit in the network between the capture of the audio, transmision to the Broadcastify site and encoding time for internet broadcast.

It is not meant to use in conjunction with realtime communications, rather for when you are unable to receive the signal or for testing your rig, you are able to transmit and then wait to hear your transmission via broadcastify.

If you have any question you may contact w3vpr@w3vpr.org

Eddie, KB3YMU

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.

^^^^^^^

AARC Clothing For Sale

On the "Members" menu, you will find "Club Clothing". If you wish to order just complete the page as instructed and push "Submit". Your order will be automatically forwarded to Jim Goldsberry KB3NQY who will place one master order for all merchandise ordered at some point this fall. The completed items will be delivered to Jim, after which he will bring them to club meetings for distribution and payment.

Keith, AE3D

Henry Radio Los Angeles Founder Ted Henry, W6UOU, is 100!

Henry Radio Los Angeles founder Ted Henry, W6UOU, turned 100 years old on January 25. The fascinating Henry family history in amateur radio marketing and manufacturing dates back to the late 1920s.

The original Henry Radio shop, started by Ted's brother Bob Henry, WOARA (SK), opened in 1927 in Butler, Missouri. It stayed in business until Bob died in 1985. Ted and another brother, Walt, later W6ZN, worked with Bob Henry during the early years and became fascinated with ham radio. After Ted moved to Los Angeles in 1941, he opened a small radio shop, which he operated while attending college at UCLA

with the intention of going into teaching. His shop survived the suspension of amateur radio during World War II by purchasing gear from hams and reselling it to MARS stations around the world. and manufacturing crystals American Samoa in 1957. (in Butler and Los Angeles) for



by Ted Henry, W6UOU, operating from

Hallicrafters' war production. The LA store grew quickly after the war, expanding to a new location where it operated for nearly 35 years, becoming a gathering spot for hams visiting from around the world.

Walt Henry opened a Henry Radio branch in Anaheim, California, in the 1960s, which closed in 1990, after his health declined.

In 1962, Ted Henry began manufacturing tubetype power amplifiers for the ham radio market, starting with the original Henry 2K. Many of the popular line of HF amplifiers remain in use today. The plant expanded into the industrial RF equipment sector. In the 1970s, the company developed its own line of solid-state amplifiers. which it still manufactures for various services.

Henry Radio also became the first Kenwood dealer in the US, marketed the Tempo line of ham gear. and is the oldest dealer for Bird RF test equipment. The current store on South Bundy Drive in Los Angeles opened in 1981.

Ted Henry retired from the business in 2005. --Thanks to Marty Woll, N6VI; Henry Radio Used with permission The ARRL Letter for March 4, 2020

Ham Intelligent Calculator

Want a FREE all purpose ham calculator:

https://www.sweetscape.com/hamic/

ARISS Celebrates Successful Launch Carrying Interoperable Radio System to ISS

Amateur Radio on the International Space Station (ARISS) is celebrating the successful launch and docking of the SpaceX-20 commercial resupply mission to the International Space Station (ISS). One payload on the flight is the ARISS Interoperable Radio System (IORS), which ARISS calls "the foundational element of the ARISS next-generation radio system" on the space station. Amateur radio has been an integral component of ISS



missions since 2000. The Dragon cargo capsule docked successfully with the space station on March 9. ARISS-US Delegate ARRL for Rosalie White, K1STO, said hundreds of ARRL members contributed to make the IORS project happen, and ARISS is celebrating the 4-yearlong project.

"ARISS is truly

grateful to ARRL and AMSAT for their co-sponsorship and support of ARISS since day one," White said. "ARISS greatly appreciates the hundreds of ham radio operators who have stood by ARISS, sending financial support and encouragement. A robust ham station is on its way to replace the broken radio on the ISS, and tens of thousands of hams will enjoy strong ARISS packet and ARISS SSTV signals as a result. In addition, thousands of students will discover and use ham radio to talk with a ham-astronaut. We hope to see the trend continue where more ARISS teachers and local clubs set up school ham clubs." The new system includes a higher-power radio, an enhanced voice repeater, updated digital packet radio (APRS), and slow-scan television (SSTV) capabilities for both the US and Russian space station segments.

White called the March 7 launch, "beautiful, flawless." ARRL President Rick Roderick, K5UR, told ARISS that he had his fingers crossed for a successful launch.

According to NASA Mission Control, it will take the three ISS crew members up to a month to unload and stow the 4,300 pounds of cargo on board the *Dragon*

capsule, and the IORS is not a priority. The actual ham equipment will be installed in the ISS Columbus

module.



Another IORS unit is in line to be launched and installed in the Russian segment of the ISS later this year.

The IORS consists of a custom-modified

JVCKenwood TM-D710GA transceiver, a multi-voltage power supply, and interconnecting cables. The ARISS hardware team will assemble four flight units -- and 10 IORS units in all -- to support onboard flight operations, training, operations planning, and hardware testing. Future upgrades and enhancements to the next-generation system are in various stages of design and development. These include a repaired Ham Video system -- currently planned for launch in mid-to-late 2020, an L-band (uplink) repeater, a microwave "Ham Communicator," and Lunar Gateway prototype experiment.

Used with permission The ARRL Letter for March 12, 2020

Paul McIntyre, KC5JAX

The president of the River City Amateur Radio Communications Society in California, Paul McIntyre, KC5JAX. was one of two individuals killed on



February 28 in a knife attack by a client at a recovery center. McIntyre, a father of two, had been interning at the Wellness and Recovery Center in Carmichael as part of his training to become a social worker. He was 57. Two other victims survived the attack. McIntyre's club reported that he was a longtime mentor and volunteer, and he was passionate to help others learn and enjoy

amateur radio. He served for years as a club officer, on the Board of Directors, as net coordinator, and was a regular Field Day participant. "He's a wonderful, brave blind man who had no defense against what happened here," a Fox40 KTXL news story quoted his wife Barbara. She told the TV station that McIntyre interned at the wellness and recovery center 2 days a week. The family has set up a GoFundMe page to help with funeral costs. "When the screaming started, he ran towards the danger," Anissa Kolda said on the GoFundMe page she set up on behalf of Barbara McIntyre. "His act saved a life but cost him his own." -- Thanks to ARRL Sacramento Valley Section Manager Carol Milazzo, KP4MD

Used with permission The ARRL Letter for March 4, 2020

Net Control Radio Operators

ARE NEEDED for the HOLLY NET during the work-weekdays -

from 0700 to 0900 am.

Contact: Jim Wallace, N3ADF

AARC STAFF – 2020 Officers

President 240 758 0423 Keith Miller / AE3D

president@w3vpr.org

Vice President Jim Wallace, (N3ADF)

vice.president@w3vpr.org

Secretary Bernie Coletta / NK3PS

secretary@w3vpr.orq

Treasurer Will Mooney / KA3UQQ

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Director B Doug Ellmore, (NA1DX)

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> ra@w3vpr.org Dick Mayo / WW3R t rustee@w3vpr.org

Committees

APRS Jon Graefe / AE3JG

Beverage Supply

Club Sale & Auction

Club Picnic

Digital Networking

Facilities

Trustee

Field Day

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(TBD) Station Manager

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HAMM-MESH (TBD)

hsmm.mesh@w3vpr.ORG

301 218 8867

Kit building 'Raven' Weiland / KB3MUV 203 948 5369

kit@w3vpr.org

MDC QSO Party Jim Wallace / N3ADF 301 538 6233 mdcqsop@w3vpr.org

Newsletter Milford Craig / N3WYG newsletter@w3vpr.org

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Public Service Erick Graves / WA3G 410 987 7670

public.service@w3vpr.org Repeater Ops John Williams / K8JW 410 647 7406 repeater@w3vpr.org

Rules Chuch Tanner / K3ACT 301 464 2667

rules.chair@w3vpr.org

Service Hours Jim Wallace / N3ADF 301 538 6233 service.hours@w3vpr.org

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240 758 0423 learn@w3vpr.org

VE Team David Rawley / N3AT ve.team.leader@w3vpr.org Video Ed Santilli / KB3YMU

video@w3vpr.org

Webmaster Mark Bova / W2PAW 240 274 6294 webmaster@w3vpr.org

Wed. Nite Net Mike Waterson / K3MAW wednesday.night.net@w3vpr.org

Winter Field Day Rick Steer / AB3XJ

winter.field.day@w3vpr.org (TBD)

Workshop

workshop@w3vpr.org

Groups

Board of Directors

board20@w3vpr.org

Kit Building Committee

^^^^^

kitbuilding@w3vpr.org

Rules Committee

rules@w3vpr.org ********

VE Testing Schedule Second Saturday of each month

Third Saturday of each mon John Creel, 301-572-5124

Fourth Tuesday of ear Mike Montrose

or FCC Registration

INAL and a COPY of current FCC amateur o licenseORIGINAL and a COPY of all element credits (eg., FCC letters, old licenses or unexpired

Certificates of Successful Completion of

Examination-CSCE)

W1AW 2020 Spring/Summer Operating Schedule

Morning Schedule:

Time	Mode	Days
1300 UTC (9 AI	MET) CWs	Wed, Fri
1300 UTC (9 AI	MET) 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

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.

Used with permission ARRL Bulletin 8

W1AW To Limit Transmit Schedule

In response to an executive order from Connecticut Governor Ned Lamont that all non-essential businesses and not-for-profit entities reduce in-person workforces because of COVID-19 pandemic concerns, W1AW has slightly altered its transmission schedule.

W1AW has suspended its morning code practice and qualifying run transmissions, beginning March 24, 2020. However, W1AW's evening transmissions, including qualifying runs, will be sent as usual – there are no changes to the evening transmit schedule.

W1AW remains closed to the public.

Please see

http://www.arrl.org/news/arrl-headquarters-is-closing for further details.

Used with permission ARRL News Email

ARRL Headquarters Closes, May QST Delivery is on Schedule

ARRL Headquarters has closed, in compliance with an executive order from Connecticut Governor Ned Lamont that all non-essential businesses and not-for-profit entities reduce their in-person workforces by 100%. ARRL has equipped as many Headquarters staffers as possible to work offsite.

"ARRL remains operational, while our teams work remotely to abide by Connecticut's Stay Home. Stay Safe policy, and most departments are maintaining business as usual," ARRL Interim CEO Barry Shelley, N1VXY, explained. "We are doing all we can under the circumstances and trying to maintain operations in as normal a way as possible."

The print edition of the May issue of QST, now off the presses, will go out in the mail next week, and the US

Postal Service anticipates no delivery disruptions. Digital QST and the digital pending debuts of QEX and NCJ are expected to be posted on schedule. The May issue of QST will include more details on the QEX and NCJ digital editions -- a new member benefit -- as well as an intriguing cover "The article on Lightbulb QSO Party."



ARRL also

anticipates that The ARRL Letter, ARRL Audio News, the ARES E-Letter, The ARRL Contest Update, and the Eclectic Technology podcast will be available as usual.

Although ARRL Headquarters closed, W1AW continues operating, but on a slightly altered transmission schedule. Morning code practice and qualifying run been suspended: transmissions have transmissions, including qualifying runs, will go on as usual. W1AW remains closed to the public, however.

Operations at the ARRL Volunteer Examiner Coordinator (VEC) will also continue, and the best way to receive a timely response is via email, as call volume has been heavy.

The ARRL warehouse is working with a reduced staff, so orders will be delayed, and ARRL will not be able to respond to expedited shipping orders.

Members should direct questions to ARRL via email.

"Thank you for your patience during this time of adjustment," Shelley said.

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Coronavirus May Impact Amateur Radio License Testing

ARRL Volunteer Examiner Coordinator (VEC) Manager Maria Somma, AB1FM, anticipates that the number of new and upgraded radio amateurs will take a dip in March as VE teams cancel exam sessions due to coronavirus social distancing guidelines. She cited FCC Universal Licensing System (ULS) figures showing that new ham licenses granted for the first half of March totaled 1,298, while another 296 licensees upgraded. Those numbers are down from the 1,697 new ham

granted licenses during the same period last year, which also saw 467 upgrades.

"Some sessions are still going on, because they don't have bans in place yet. Also, some teams that only test one or two candidates

be

every month may able continue, since



that is well below the number of people that most authorities are advising should gather," Somma said. She anticipates a surge will come after bans on larger gatherings are lifted, because examinees are eager to take the exams they have been studying hard for.

Somma cautioned that, while March 2020 license numbers appear to be trending downward, it's not possible to reliably predict how an entire month will play out by extrapolating partial-month numbers. "March is the beginning of the busy part of the year, but depending on how the weekends fall and when licensing classes end, a month may peak at different points or be busy the whole way through," she said. More than 764,000 US amateur radio licensees are in the FCC database.

ARRL VEC's March VE E-Newsletter assured Volunteer Examiners that their health and safety are top priority and that the ARRL VEC is taking the coronavirus outbreak very seriously. "We understand that with the rapidly changing updates on restrictions and canceled or postponed public events, our VE teams are in different locations and should do what is best for them and their communities," Somma said. "We urge you to stay informed, so you can make informed decisions based on your local community's guidelines, as each community is unique. Then use your best judgement when deciding whether or not to conduct, postpone, or cancel an exam session."

Somma directed ARRL VEC VEs and teams to the Centers for Disease Control (CDC) website or to local health departments for the latest information.

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Dayton Hamvention Cancels 2020 Show

For the first time in its 68-year history, Dayton Hamvention[®] will not take place this year, due to concerns about the coronavirus outbreak. The glum news was not

entirely unexpected, given widespread cancellations of public gatherings and a national state of emergency.

"The Hamvention Executive Committee has been monitoring the COVID-19 pandemic. We have worked

pandemic. We have worked very closely with our local and state health departments. It is with a very heavy heart the



Hamvention Executive Committee has decided to cancel Hamvention for this year," Hamvention General Chair Jack Gerbs, WB8SCT, said in announcing the cancellation on March 15. "This decision is extremely difficult for us, but with around 2 months until the Great Gathering we felt this action necessary. More specific details regarding the closure will soon be posted. Thank you for your understanding in this time of international crisis."

The Dayton Hamvention cancellation comes less than a week after the International DX Convention in Visalia, California, called off this year's show. The Dayton Amateur Radio Association (DARA) sponsors Hamvention.

Since 2017, Hamvention has been held each May at the Greene County Fairgrounds and Expo Center in Xenia, Ohio. The international gathering attracted more than 32,000 visitors in 2019.

Hamvention's announcement has caused the cancellation of other associated events. These include Contest University, the Contest Dinner, and the Top Band Dinner. The QRP Amateur Radio Club International's "Four Days in May" event has also been cancelled. Presumably, the DX Dinner, sponsored by the SouthWest Ohio DX Association (SWODXA) and AMSAT Academy have also been called off, although no formal announcements have been made.

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Refunds Are Available For Canceled Dayton Hamvention-Associated Social Events

Refunds are available for canceled Dayton Hamvention-associated social events. These include



Contest University, the Contest Dinner, and the Top Band Dinner. Each event has its own procedures. Those who signed up for the DX Dinner will be able to obtain refunds via PayPal. An email to all registrants will provide

details. -- Thanks to Tim Duffy, K3LR, SWODXA
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"Team Exuberance" Aims to Lower the Average Age of Contesters

Seven of the world's top youth CW operators will convene at the western Pennsylvania superstation of Tim Duffy, K3LR, in late May, in an effort to lower the average age of contest operators -- especially CW operators. "Team Exuberance (TE)," comprised of teens and early 20-somethings, gained a reputation during the CQ WPX phone event in 2019. This year, they will tackle the CQ WPX CW contest on May 30 - 31. The young operators have been raising money to minimize the cost of the adventure for the participants and their families.

"The average age of today's CW operator is 67," the group asserted. "Team Exuberance CW 2020 (TE CW 2020) is out once again to take a swing at the radiosport establishment, disprove the adage that oldage treachery always beat youth and exuberance, and bring in the center. down the average age contesting the



The 2019 Team Exuberance with K3LR in the center.

community." They also want to prove "that youth contesters are legit contenders" in the radiosport arena.

Violetta Latham, KK8AT, led the first <u>Team Exuberance contest operation</u>, which took first place in North America in the Multi-Two category, racking up a score of 22 million points and logging 5,700 contacts. The team will stick to the Multi-Two format for the WPX CW this year.

The TE CW 2020 team will include David Samu, VE7DZO; Marty Sullaway, NN1C; Philipp Springer, DK6SP; Bruce Yang, KN8U/BH4EPL; Tomi Varro, HA8RT; Mathias Acevedo, CE2LR, and Bryant Rascoll, KG5HVO.

The team has mounted a <u>GoFundMe campaign</u> to raise the projected \$8,000 necessary to cover airfare, hotel, transportation, and meals for the duration of the contest. Any excess funds will be donated to the David Kalter Youth DX Adventure.

"Your donation will not only help our team achieve the goal of participating in the CQ WPX CW 2020 but also keep the momentum of bringing more youth into the hobby and ultimately bring down the average age," the team said in its pitch.

TE CW 2020 says its operators were handpicked for this contest and are all highly skilled and experienced. Varro, who is 21, was the 2014 High-Speed Telegraphy (HST) competition champion, while Yang, also 21 and a student at Georgia Tech, was the World Rookie champion for the 2019 CQ WPX CW event.

"While amateur radio is not a mainstream hobby for today's youth, finding skilled youth CW operators is even rarer," TE CW 2020 said in a news release. "They do [CW] because it's fun and challenging."

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Ham Radio Clubs Connect Amid Social Distancing

As college campuses have sent students home to finish their classes online, members of the K7UAZ Amateur Radio Club in Tucson -- a student organization at the University of Arizona -- have moved their radio club meetings to the radio. K7UAZ Station Manager Curt Laumann, K7ZOO, said that when the university largely shuttered its campus, club President Ken Gourley, KM6BKU, immediately transitioned regular meetings to an on-the-air format using the university repeater. The club was already holding a weekly net on Monday nights, but the added on-air club meetings offer another opportunity to get on the radio.

In recent months, in-person K7UAZ club meetings have hosted presentations on such topics as EME (Earth-



moon-Earth) communication and an **AMSAT** CubeSat simulation. As meetings move on the air, Gourley explained, he will send out of meeting copy presentation slides members can follow along. "I will lead the net and start with check-ins," he said. "We will work our

way through the slides, discussing previous events, upcoming activities, the treasurer's report, projects, etc. I will take new check-ins every 5 - 10 minutes. We will conclude with officer comments and general comments. Hopefully it won't take more than 30 - 45 minutes."

ARRL staff member Bob Inderbitzen, NQ1R, who liaises for the ARRL Collegiate Amateur Radio Initiative (CARI), underscores the importance that all radio clubs encourage on-the-air activity in this challenging time. "While I know many businesses and schools have moved to online meetings and learning, I can think of many advantages for a radio club to move club meetings to onair," Inderbitzen said. His list includes:

· Holding short meetings on the air will encourage individual club members to practice their personal radio communication capabilities. Station and skills readiness are tenets of the

Amateur Radio

Service.

 Nets generally help new radio amateurs practical gain operating experience. Think this current challenge as an opportunity to encourage your club's new hams to get on the air.



· As online fatigue and a feeling of isolation will inevitably creep into our "new normal," being

will introduce variety into on-air communication practices. As many of us are now homebound working or studying, turning on a radio to connect with your ham radio peers will be welcome respite!

At K7UAZ, experienced club members provide instruction for members to access the K7UAZ ARC repeater from 2 meters and via *EchoLink*. The club also offers members the opportunity to borrow handheld radios or to be patched in via HF or videoconferencing, if they live too far away from the repeater.

ARRL is encouraging university radio clubs to network with other clubs and students via ARRL's CARI Facebook group. "Keeping our campus radio clubs going will ensure we are, together, advancing the art, science, and enjoyment of amateur radio. It's our collective mission," Inderbitzen said.

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Long Island CW Club Offering Free Online Code Instruction for **Homebound Youngsters**

The Long Island CW Club in New York is offering free online Morse code instruction for the "many youngsters at loose ends as a result of school closings due to COVID-19 concerns." The club's co-founder,



Howard Bernstein. WB2UZE. pointed out that learning Morse code is "a fun and educational activity for children of all ages that can fill part of the gap left by the current unfortunate situation that has closed so many schools across the country."

Ongoing classes will take place Monday through Friday,

specifically for school-agers anywhere across the country or overseas, via Zoom online video conferencing.

A computer equipped with a microphone and camera is required. Classes for elementary schoolers run 30 minutes starting at 1600 UTC, followed by 45-minute classes for middle- and high school-aged students, starting at 1645 UTC. Parental permission is required through advance registration.

Contact class instructor Rob Zarges, K2MZ, by email or call 508-831-8248. -- Thanks to Mel Granick, KS2G, ARRL New York City-Long Island Section Public Information Coordinator

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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.

Radio Amateurs Team Up to Help University Design Low-Cost Ventilator

Amateur radio volunteers from around the world have volunteered to assist University of Florida Professor Sam Lampotang and his engineering team in their quest to rapidly develop an open-source, low-cost patient ventilator that can be built anywhere from such commonly



available components as PVC pipe and lawn-sprinkler valves.

The amateur radio volunteers are developing Arduino-based control software that will set the respiratory rate and other key parameters in treating critically ill coronavirus victims.

Multiple volunteers responding to a call for help from Gordon Gibby, MD, KX4Z, include noted software developer Jack

Purdum, W8TEE, and uBITX transceiver maker Ashhar Farhan, VU2ESE. University of Florida physicians are working to address the critical legal aspects as the design moves closer to fruition. The ventilator's valves would precisely time compressed oxygen flow into patient breathing circuits under Arduino control, allowing exhausted patients with "stiff" lungs impacted by viral pneumonia to survive until their body can clear the infection.

The software design team is also adding simple features such as an LCD display, encoders to choose parameters, and watchdog safety features.

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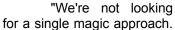
IARU Region 2 Seeks Young Hams to Help Reshape Amateur Radio

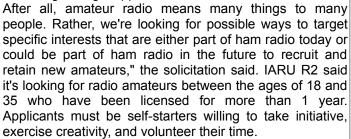
International Amateur Radio Union (IARU) Region 2 (R2, the Americas) is looking for a few young hams interested in helping to remake amateur radio for the 21st century.

"Frustrated that there are so few of your friends and age group that are interested in ham radio? Frustrated that amateur radio is in a rut, not doing more or different things with technology? Concerned that an aging

demographic means ham radio is dying? And that our frequencies will be sold out to the highest bidder because there aren't enough hams to show that we use them?" IARU Region 2 said in a March 3 solicitation. "So are we. And we want to do more than talk. We want to do something about it."

According to the announcement, IARU R2 is looking for volunteers who would brainstorm ideas and possible actions to make amateur radio more attractive to a younger generation.





If interested, <u>contact</u> IARU Region 2 Secretary George Gorsline, VE3YV, telling why you are willing to volunteer, your current interests, and your thoughts on solutions. "Ideally, we would like to have as many parts of the Americas represented as possible," IARU R2 said in its announcement.

"This is more than a think tank. We're prepared to provide funding to try out some of the proposed ideas to see how well they work. We expect that some ideas will work, others won't, and different things will work in different parts of the Americas -- one size will not fit all. As part of the work, IARU R2 would propose to send one person to the IARU R1 YOTA youth camp to experience the camp, meet with the R1 youth coordinators to learn about what they are doing in Europe and Africa, to exchange ideas, and to explore what joint activities might be done." -- Thanks to Joaquin Solana, XE1R, IARU Region 2

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International Group Reactivating the Legendary Yasme VP2VB Call Sign

On Tuesday, March 10, an international group set sail to the British Virgin Islands and activated the VP2VB call sign of Yasme fame for 6 days, focusing on the low bands with two stations. VP2VB was the call sign of the legendary Danny Weil, VP2VB, skipper of the Yasme series of sailing vessels that carried the peripatetic adventurer as he traveled from one DX location to another in the 1950s and early 1960s. His activities provided the



impetus to create The Yasme Foundation. For the 2020 "Yasme Memorial Expedition," operators will include Adrian Ciuperca, KO8SCA; Martti Laine. OH2BH: Niko

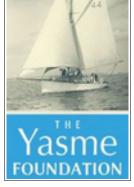
Halminen, OH2GEK, and Sandro Nitoi, VE7NY. QSL via OH2BH.

A Briton, Weil was a watch and clock maker by trade, and had a sense of adventure. His initial Yasme (often rendered as YASME) sailing voyage was to the British Virgin Islands. Yasme derives from the Japanese word "yasume," which means "to make tranquil." Another giant of ham radio history, the legendary DXer Dick Spencely, KV4AA, became aware of Weil's aspirations and suggested that he combine amateur radio with his ambitious travel itinerary. Spencely taught Weil Morse code and helped him secure the VP2VB call sign, which was to become famous around the globe. Spencely secured the initial ham radio gear for the Yasme and

became a tireless fundraiser for The Yasme Foundation as well.

Ultimately, there were three Yasmes. From 1955 until 1962, Weil operated from several ports of call in the Caribbean and the Pacific. This latter-day VP2VB DXpedition will count toward Yasme awards and marks the first activation of VP2VB in more than 60 years.

This month's VP2VB DXpedition will trace Weil's original route in the British Virgin Islands special license а authorization, to pay homage to those early years of DXing and to



honor the spirit he embraced, which inspired a generation of DXers.

Weil retired from DXpeditioning and settled in Texas in 1963, resuming his profession of a watch and clock maker and becoming a US citizen. He was not to be heard on the air again -- although he kept an ear on the bands. Weil died in 2003 at age 85.

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Motorola Wins Multimillion Dollar Theft of Trade Secrets Case Against Hytera

A jury for the US District Court of the Northern District of Illinois has awarded Motorola Solutions damages of \$764.6 million in its theft of trade secrets and copyright infringement lawsuit against Communications of Shenzhen, China. In 2017, Motorola filed complaints in federal court alleging that Hytera's digital mobile radio (DMR) products employed techniques and systems that infringed on Motorola Solutions' patents and trade secrets. Already known for its Land Mobile



Radio Service products. Hytera entered amateur radio **DMR** market in 2016. Its ham products include the Hytera AR482Gi digital mobile radio.

Motorola alleged that proprietary patented information was taken illegally by three

former company engineers who went to work for Hytera. as "part of a deliberate scheme to steal and copy" its technology. The company said it would seek a global injunction to prevent Hytera from trade secret misappropriation and copyright infringement, a Motorola spokesperson said following the verdict.

Motorola said technology features it developed started showing up in Hytera products soon after Hytera began hiring former Motorola engineers in 2008. according to the lawsuit.

In a <u>statement</u>, Hytera expressed disappointment and disagreement with the verdict and said it would appeal. But, the company went on to say that it has "enhanced its corporate governance and added new policies and procedures related to intellectual property and the onboarding of new employees." Hytera also said it's "engaged in an ongoing process of removing the affected source code from the products at issue and has been rolling out updated software to the marketplace."

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The Dominican Republic

The Dominican Republic now has a 60-meter band. Following an Executive Branch vote, Dominican



Republic telecommunications regulator Indotel has updated the <u>National</u> country's Frequency Allocation Plan, which includes the allocation of a 60-meter segment of 5351.5 - 5366.5 kHz to amateur radio fixed and mobile stations (except for aeronautical mobile stations).

Stations may not exceed a maximum radiated power of 15 W EIRP. The Dominican Radio Club recommended adoption of the plan.

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MDC SECTION TRAFFIC MANAGER'S REPORT

MDC 202002 STM REPORTS

QST MDC 2002 STN PSHR = >70 TOTAL

CALL PSHR KK3F 140

W3YVQ 135

AA3SB 100

AA35B 100

WB3FTQ 100

AB3WG 92

N3JET 87

K3IN 70

QST MDC 2002 STN BPL: KK3F 2002 SAR

13/252/252/0/517

MDC NETS 2002:

MEPN/C2, MARYLAND EMERGENCY PHONE NET, 3820/1800L-DY

Liaisons: 3RN2/MDD/DTN/BTN/WVA/NTSD/WL2K MEPN 2002 W3YVQ QND/29 QNI/339 QTC/33 MINS/549

BTN/C4, BALTIMORE TRAFFIC NET, 145.33/1830L-DY

Liaisons: MEPN/MDD/NTSD/WL2K

BTN 2002 AB3WG QND/29 QNI/299 QTC/45 MINS/522

MDD/C4, MARYLAND/DC/DELAWARE NET, 3557/1900L-2200L-DY

Liaisons: 3RN4/MEPN/BTN/DTN/NTSD/WL2K MDD 2002 AA3SB QND/56 QNI/252 QTC/84 MINS/476

MSN, MARYLAND SLOW NET, 3563/1930L-DY TRAINING.

Liaisons: MDD

MSN 2002 N3AEA QND/28 QNI/119 QTC/11 MINS/515

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MDC 2002 PSHRS FILED (Zero entries omitted.): CALL DATE PSHR

KK3F 2002 PSHR 1/40 2/40 3/30 4/30 TOTAL 140 W3YVQ 2002 PSHR 1/40 2/40 3/30 4/25 TOTAL 135 AA3SB 2002 PSHR 1/40 2/40 3/20 TOTAL 100 WB3FTQ 2002 PSHR 1/40 2/40 3/20 TOTAL 100 AB3WG 2002 PSHR 1/32 2/40 3/20 TOTAL 92 N3JET 2002 PSHR 1/27 2/40 3/20 TOTAL 87 K3IN 2002 PSHR1/40 2/40 3/30 TOTAL 70

==============

MDC 2002 SARS FILED:

CALL DATE SAR ORIG/RCVD/SENT/DLVD/TOTAL

KK3F 2002 SAR 13/252/252/0/517

K3IN 2002 SAR 0/125/118/4/247

W3YVQ 2002 SAR 0/36/56/0/92

AA3SB 2002 SAR 2/60/16/2/80

WB3FTQ 2002 SAR 0/28/15/6/49

N3JET 2002 SAR 0/26/23/0/49

AB3WG 2002 SAR 0/25/20/3/48

FOR THE MDC WEB SITE 2002

MDC NTS NETS:

MEPN 2002 W3YVQ QND/29 QNI/339 QTC/33 MINS/549 BTN 2002 AB3WG QND/29 QNI/299 QTC/45 MINS/522 MDD 2002 AA3SB QND/56 QNI/252 QTC/84 MINS/476 MSN 2002 N3AEA QND/28 QNI/119 QTC/11 MINS/515 PSHR: KK3F 140, W3YVQ 135, AA3SB 100, WB3FTQ 100, AB3WG 92, N3JET 87, K3IN 70;

TFC: KK3F 517, K3IN 247, W3YVQ 92, AA3SB 80,

WB3FTQ 49, N3JET 49, AB3WG 48

HF PROPAGATION

MEPN: TIME CHANGE - On MAR 8, the net moved to the summer schedule; 1730L pre-net, 1800L formal call.

The net NVIS propagation was functional in February, 2020, with good signals most evenings. Due to the low solar activity, the afternoon propagation suffered with less effective NVIS propagation during the pre-net. The MEPN DTS stations continue to provide liaison with the national digital messaging services including DTN and Winlink.

MDD: February NVIS propagation for local MDC stations on MDD early was fair to good on nights when the MUF was above net frequency (fxi). When the MUF dropped below 3.557MHz, the NVIS prop failed totally unless some residual E-layer provided some help. If the MUF remained that low without E-layer help, both early and late MDD and the 3RN/C4 nets failed. The MUF sometimes recovered for the Region nets and MDD late, but March is likely to see more failed nets, both early and late, without help from the sun. That help is coming due to the increasing sun angle as spring approaches.

John, WB3GXW-L, continues to make that EchoLink resource available for MDD use on nights when propagation fails. 160m may need to be used as winter progresses. Check out your antennas. Outbound traffic to 3RN may be handled by DTS representatives as needed for posting on the Digital Traffic Net (DTN) when prop permits. DTN stations operate 24/7 so traffic will flow across the country as prop permits, day or night.

CW OPERATORS NEEDED

Additional CW operators are needed for liaison from MEPN and BTN to MDD and to the higher nets, and Net Control Stations are also needed on MDD and 3RN/C4. The evening NTS and RRI nets in Cycle 4 nation-wide are conducted on CW.

MEPN/BTN/MDD/3RN 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). The conference bridge is available for MEPN,

MDD, BTN, MSN, and 3RN stations during periods of failed propagation.

MSN CW TRAINING

The MSN net continues to operate and serve nightly at 1930L on 3563 kHz. Ron. N3AEA, has stepped up to fill the Net Manager's role. Thanks, Ron. Show your support by checking in even if you do not take training. MSN needs NCS stations and liaison stations to early and late MDD. Ron could use your help.

BTN LOCAL NTS TRAFFIC AND TRAINING NET

The BTN continues to meet on 145.33/R (no tone) daily at 6:30PM local time. The BTN was established to provide a welcoming place for newcomers to the Amateur Service. and their first exposure to directed traffic nets and message handling. The NM, AB3WG, has initiated plans for broader cooperation between BTN and MSN to foster more awareness between operators using the respective modes. Instructive message swapping and liaison duties are in effect. A new cooperative effort has been launched between ANAR ARES(r) and the BTN as well.

Thanks to all the Section's traffic net NCS stations. RRI/DTN 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(r), RRI, and NTS operations.

A very happy and healthy New Year to all.

73. W3YVQ, MDC ASM, STM w3yvq@arrl.net w3yvg@ winlink.org from WL2K

Used with permission MDC Section NewsMarch 18, 2020

Georgia Institute of Technology **CubeSat to Feature Amateur Radio Robot Operation**

The Glenn Lightsey Research Group's Space Systems Design Lab at the Georgia Institute of Technology is sponsoring a 1U CubeSat mission that will include a digital robot. The primary function of the GT-1

satellite is to serve as an educational proof of concept and satellite bus demonstrator.

Georgia Tech will use this mission as opportunity undergraduates to get



involved in all facets of a space mission, from design to implementation and support. GT-1 will test a prototype

deployable antenna and solar panels, which can be used for future missions derived from the same baseline design, and with inclusion of additional experimental equipment. It will operate with AX.25 protocol telemetry. In partnership with the W4AQL Georgia Tech Amateur Radio Club, the satellite will also host a digital contact robot payload, inspired by the earlier Russian RS-12 and RS-13 satellites of the early 1990s. GT-1 will collect contact information from stations that contact the robot as it orbits.

The satellite will also function as a standard digipeater. Plans call for a deployment from the International Space Station in October. -- Thanks to AMSAT News Service.

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Red Cross-affiliated Radio Amateurs

Red Cross-affiliated radio amateurs from many states and Puerto Rico are planning a nationwide Red Cross emergency communications drill for May 30.



The drill will consist of two parts. Part A will be a local optional drill held on VHF for participants to practice passing voice traffic with relay stations set up in local EOCs or via mobile stations parked strategically **American Red Cross** between Red Cross HQ

suburban shelters. Part B will be national in scope, with hams passing Red Cross forms using the ARC Message Utility technique on Winlink RF. Messages will be marked "DRILL" and will be sent to the Red Cross Safe & Well HQ in New York City as a clearinghouse. For further information, or to express interest in participating, contact Wayne Robertson, K4WK. -- Thanks to The ARES E-Newsletter.

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IARU Region 2 Emergency **Communication and Satellite Workshops**

IARU Region 2 Emergency Communication and Satellite workshops will be held online. With travel

restrictions and self-isolation requirements in many countries due to COVID-19, the May 30 and 31 International Amateur Radio Union Region 2 (IARU R2) Emergency Communication and Satellite workshops will be online. The new format will be 3 hours for each workshop and will be held on the same dates starting at 1800 UTC. Access will be via Zoom, an easy-to-use online conference tool available for several



platforms. Attendees will get an agenda for each workshop and information on how to participate in mid-May. Thanks to George Gorsline, VE3YV, IARU Region 2 Secretary

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The World Radiosport Team Championship 2022

The World Radiosport Team Championship 2022 (WRTC 2022) Organizing Committee is, at least for now, staying on course. "We understand [coronavirus] is disrupting travel and operating plans



in ways that affect different areas of the world unequally. However, it is not realistic for us to predict the extent and evolution of the effects of the pandemic. We have to wait and see how the situation develops," Carlo De Mari, IK1HJS, announced on the WRTC 2022 website. WRTC 2022 will stick with the qualifying events and schedule in the published qualification rules and is considering various options. "No decisions have been made at this time," the announcement said. "Please continue with your plans as best you can for now." WRTC 2022 will be held in July 2022 in Bologna, Italy.

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Sean Kutzko, Kx9x, Is Amsat's New Volunteer Coordinator

Sean Kutzko, KX9X, is AMSAT's new Volunteer



Coordinator. AMSAT President Clayton Coleman, W5PFG, announced the appointment this week. Licensed since 1982, Kutzko served for 10 years on the ARRL Headquarters staff as Contest Branch Manager and as Media and Public Relations

Manager. "It's an honor to be able to volunteer for AMSAT," Kutzko said. "AMSAT is a great organization and helping find good volunteers who are willing to help all areas of AMSAT's growth and development is the least I could do for the organization that has given me a lot of enjoyment and technical skill." An active HF and VHF contester, DXer, and backpack QRP enthusiast, Kutzko started working satellites in 2011. He's written instructional articles on satellite operating for the AMSAT website and for QST, and he blogs regularly on satellite topics on DX Engineering's On All Bands. -- Thanks to AMSAT News Service

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Radio Society of Great Britain (RSGB) HF and VHF Contest committees



The Radio Society of Great Britain (RSGB) HF and VHF Contest committees will no longer accept multioperator contest entries. The ban, in accordance with UK social distancing policies, is in effect until the end of June and applies to all RSGB-sponsored contests. Single-operator entries from shared

stations also will not be accepted, unless the station is

being shared by family members at the same address. The HF Contest Committee has canceled the RSGB HF NFD (Field Day) for 2020, but is okaying portable operation by single operators, "because of the potential mental health benefits associated with engaging in hobbies, as well as the lack of person-to-person contact in normal single-operator contesting." RSGB is encouraging all to follow UK government guidelines regarding social distancing and unnecessary travel and will decide in early June if the VHF NFD, the IOTA Contest, and SSB NFD events can go ahead as planned.

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The FCC Will Hold Its March 31 Open Meeting By Teleconference

The FCC will hold its March 31 open meeting by teleconference. "Due to the current COVID-19 pandemic and related agency telework and headquarters access



policies, this meeting will be in a wholly electronic format and will be open to the public on the internet via live feed from the FCC web page and on the FCC YouTube channel," the Commission announced this week. Agenda items are expected to be voted on circulation prior to the meeting. Live audio and video

and open captioning will be provided on the video as well as a text only version on the FCC website.

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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

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

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

Wednesday, April 1
Club Meeting On The Air KB3MUV Raven

Wednesday, April 8

Club Meeting On The Air K3ACT Chuck

Wednesday, April 15

Club Meeting On The Air AA3EB Ed

Wednesday, April 22

Club Meeting On The Air WA3TOY Kurt

Wednesday, April 29

Club Meeting On The Air W3GTR Scott

PLEASE 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	Frequenc	y (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
147.105+
223.880-
444.400+

Gle	en Burnie
1	47.075+

Annapolis
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.

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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 PL107.2	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