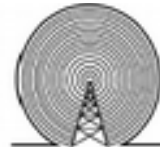


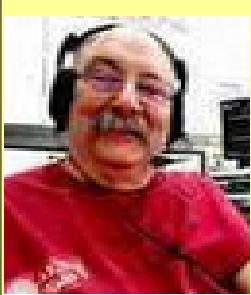
THE HAM ARUNDEL NEWS



Providing Fellowship and Community Service through Amateur Radio Since 1951

December 2019

41st Year of Publication



Keith Miller, AE3D

The Prez Sez

Happy Holidays! December is here, let the Holidays begin! We start with *Cyber Monday* on the 2nd, with Tuesday the 3rd being more serious. It's the *International Day of Persons with Diabetes*. One of my favorite holidays comes next, *National Cookie Day*, Wednesday the 4th, though why they put it right after a holiday about diabetes I'll

never know. The 5th is *International Veterans Day*. What better day to hold our *Anne Arundel Radio Club Elections*. We have many veterans within our ranks. And while the 6th draws a blank, we get double teamed on Friday the 7th with *International Civil Aviation Day*, and *Perl Harbor Remembrance Day*. Maybe next year we can vote on the 9th. It is *Anti-Corruption Day*. Then comes *Human Rights Day* the 10th, *Mountain Day* the 11th, *International Universal Health Coverage Day*, or for those who can't get behind that one, the 12th you have *International Neutrality Day*. Are you bored yet?

But of course the real holidays aren't Boxing Day on the 26th, *National Maple Syrup Day* shared with *Wright Brothers Day* on the 17th, or even *International Migrants Day* on the 18th, but rather the big one's like *Christmas* on the 25th, *Hanukka* the 22nd thru 30th, and *Kwanzaa* starting on the 26th. We'll be celebrating those on Sunday December 15th at the Boy Scouts facility just down the hill from our club house. We'll share lots of good will towards men, and women too, not to mention the kids. Remember if kids are 12 or under, and we know they're coming they'll be on Santa's list.

And with Thanksgiving just behind us, perhaps it's a good time to be thankful for all that we've accomplished at the Anne Arundel Radio Club in 2019. I started out the year at that very first Membership Meeting saying that in a committee system the committees and teams do most of the real work. The Board, meanwhile, has to set some goals for those groups, provide a little oversight, and more important provide support so they can get their jobs done. If the Board doesn't communicate with the committees and teams, the committees lose focus and generally find they are always short on help. Communication is the key. You'd think people who's whole hobby is about communicating would know that. But its not necessarily so.

So in 2019 I set out to improve Board to committee communication. Step one was to see that every

committee or team had a Board member, who's job is was to ensure that what the committee had to say, made it back to the Board. This led some Board members to push for big organizational charts, and putting each Board member in charge of specific committees. Sounds good, until you realize you are putting an extra layer of management into place that usurps power from the committee chairpersons and team leaders. And lets face it, people volunteer to be committee chairpersons and team leaders because they want to feel like they are in charge of something, and can provide leadership. When that goes away, so do the people who fill those job. So I'm still trying to promote the idea that we need Board members to do only the basic job of better facilitating communications with committees and teams without actually being in charge.

Speaking of teams, in 2019 I decided to differentiate teams from committees, so we would all better understand how things work. So far I don't think most people understand why, but I could be wrong. For those who haven't heard this, a committee is run by a chairperson. That chairperson holds meetings. Committees vote on things, and they make sure someone takes minutes to provide a record of their doings and votes. In a committee, the majority wins. In our Bylaws it says anyone may join any committee they choose to. Therefore a chairperson does not decide who is or isn't on a committee. Meanwhile a team has a team leader. That leader is the boss. He or she makes all decisions, including who is or isn't part of that team, and assigns work to the individual team members. The team leader is in charge and is therefore responsible. Some jobs, especially those requiring specific skills or training, need to be run as teams. Other groups which need new ideas and outside the box thinking beg for a committee structure. We need both, and we need to know the difference.

We also started 2019 with a number of projects approved and underway. Of those a couple have gone nowhere, while a few others like the bolts on the north tower and charger replacement for the generator are completed. The workshop is coming along nicely, and the Ham Shack Renovation project is moving along, but it's spreading out into new areas like instructional video production, more advanced networking than originally planned, and an antenna system that can give us access to every band 160 meters through 70 cm.

Speaking of antennas we now have 2 full time refurbished Field Day Mosley Tri-Band CL-33 beams, a log periodic for 50 MHz. through 1296 MHz., and a Cruscraft A3S tri-bander for 20-15-10m with a 40 meter rotating dipole too. Plus we have a second A3S and rotor donated

ANNE ARUNDEL RADIO CLUB

Slate of Officers for 2020

In accordance with the bylaws, this serves to notify AARC members of the upcoming Election of Directors.

The slate for the upcoming election is as follows:

Please vote for only ONE candidate for each office.

President: Keith Miller, (AE3D)

Vice Pres: Jim Wallace, (N3ADF)

Secretary: Bernarr Coletta, (NK3PS)

Treasurer: William W Muzlera-Mooney, (KA3UQQ)

Directors: (Vote for 3)

Eric Berman, (KC3GDV)

Doug Ellmore, (NA1DX)

Scott DeMatteo, (W3GTR)

Information on each candidate should be available on the web site via a link on the page where the nominee list is. Provision will be made for write-in candidates when the election is held.

**The election will be held at the “Annual Meeting”,
December 5, 2019, at 7:30 p.m.
at the AARC Clubhouse**

Holiday Party RSVP Now

Sunday December 15th we hold our annual holiday dinner event, where we thank the old Board, meet the new Board, give the kids presents, and hand out some holiday door prizes. Its also a great time to renew your membership for 2020! [RSVP now!](#)

**There is a NEW Holiday Party Venue.
We will meet at the Scout Hall
(to the right as you go into the gate).
Set up will start at 3:00 pm and
Guests can start arriving at 4:30 pm**

As usual the club will provide ham and turkey, soft drinks and bottled water, and those attending will be asked to bring a side dish or desert to share. We moved the party to Sunday this year to avoid the huge traffic jams that seem to occur every Friday night this time of year. The plan is to open the doors at 4pm, and serve dinner about an hour later. This way the kids will be home before 9pm. After all, its a school night.

If you plan to attend, [please fill-in and submit the RSVP](#) so we know how many chairs and tables to provide, and of course so we know the names and ages of everyone attending under the age of 18.

2019 Holiday Party RSVP

Here is a tentative schedule for the Holiday Party:

- 3:00pm - 5:00pm Set up
- 4:00pm - Secretary, Membership Secretary & Treasurer arrive
- 4:30pm - 6:00pm Check in and socializing
- 6:00pm - 7:00pm Dinner
- 7:00pm - 8:00pm Program and Door Prizes
- 8:00pm - 9:00pm Clean up

Instructions for RSVP:

Children of club members are always welcome at the Holiday Party.

As well each club member may bring one adult as their invited guest

As you complete each entry a new line will appear for an additional entry. This will happen for up to 6 entries. For 7 or more a second entry will be required.

Stuff to Do as You Renew

Last year we instituted a door prize at the Holiday Party just for those who took part in filling out the Yearly Survey. At the party, a large number of members all of a sudden wanted to fill in the form, and since we had computers online, they were able to do so, and participate. This year, we won't be having Internet Access at the Holiday Party. So if you want to take part, you must (assuming you haven't done so, and most haven't) please go online now, and fill out the Yearly Survey for 2019.

A year ago we realized the club's mandatory waiver had overstepped. So we removed the section that

said the club can use your image and can even share it with the ARRL who under the old language could share it with advertisers. But to completely get rid of the old language, we need two things to happen.

1) We need everyone to actually fill in a Renewal Form this year, and sign or digitally sign it. This means you agree to the new waiver language which is less onerous. Just sending in a check won't get it.

2) We need you to fill in a photography release form too. And before you say I don't need to sign it, I don't want anyone to use my image.... be aware... that is exactly why you need to sign it. If you say no to both photo policy questions on the form, then the AARC can't use your image or give it to anyone. If you say yes we still can't give it to anyone, but can use it on the web site, etc. Meanwhile If you don't sign one at all, then the policy from the old waiver stays in effect, and we can use and share it. Not what you want, I'm sure.

So please fill in both forms as you renew this year. And please do.... renew. 2020 is going to be a banner year for the AARC and you won't want to miss it.

73

Keith Miller, AE3D
President

2020 Field Day Chairman: Brian Mary K3HMX

After taking some time to think about it, Brian Mary, K3HMX has accepted the position at Field Day Team Leader for 2020. Last year's Team Leader David Rawley N3AT has already signed on as First Mate. But, we need many more volunteers.



Brian has competed with the AARC at a number of Field Day's, setting up and operating one of the Digital Station for several years. He led the Digital effort in 2018 when Chuck Tanner, K3ACT was unable to attend, and did a marvelous job. For those of you

who have been here a while you may remember that Brian has served the AARC as a Board Member and as club President in 2015 and 2016.

If you want to help with Field Day, now is not too soon. Get in touch with Brian either at the club house or via email at field.day@w3vpr.org

501(c)(3) Reinstated

As of October 24, 2019 the IRS has once again declared the Anne Arundel Radio Club to be a tax exempt organization.

Thank you to the several Club Treasurers who have worked on this project.

AARC STAFF – 2019 Officers

President	Keith Miller / AE3D president@w3vpr.org	240 758 0423
Vice President	Tim Nagel / KB3YQK vice.president@w3vpr.org	
Secretary	Steve Grimaud / W3SWG secretary@w3vpr.org	
Treasurer	Bill Mooney / KA3UQQ treasurer@w3vpr.org	
Director A	Eric Berman / KC3GDV eric.board19@w3vpr.org	
Director B	Larry Booth / AA3AU larry.board19@w3vpr.org	
Director C	Bernie Coletta / NK3PS bernie.board19@w3vpr.org	

Support Staff

Membership Secretary		
Information Officer	Ed Santilli / KB3YMU info.officer@w3vpr.org	
Safety	John Bowes / KB3YLY safety@w3vpr.org	443 760 1666
Security	Tom Provenza / N3HLD security@w3vpr.org	

Representatives

ARES/RACES	John Bowes / KB3YLY ares.races@w3vpr.org	
DFRC Rep	Milford Craig / N3WYG dfrc.rep@w3vpr.org	301 218 8867
FAR	Ed Brown / AA3EB far.rep@w3vpr.org	301 856 3317
Fox Hunt	Jim Wallace / N3ADF	
Joint 440 Comm	Gordon Davids / WJ3K joint440@w3vpr.org	410 647 2956
MD Slow Net	(T B A)	
MDC Section Manager	Marty Pittinger / KB3MXM arrl.sec.mgr@w3vpr.org	
Public Relations	Ed Santilli / KB3YMU pr@w3vpr.org	301 261 7561
Resident Agent	Justin Leishman / KC3BJT ra@w3vpr.org	
Trustee	Dick Mayo / WW3R trustee@w3vpr.org	

Committees

Club Sale & Auction	Ike Lawton / W3IKE club.sale@w3vpr.org
Digital Networking	Ted Ruddy
Facilities	Eric Berman / KC3GDV facilities@w3vpr.org
Field Day	(TBD) field.day@w3vpr.org
Station Manager	(TBD)

Holly Net	Jim Wallace / N3ADF holly.net@w3vpr.org	
HSMM-MESH	(TBD) hsmm.mesh@w3vpr.org	
Kit building & Repair	'Raven' Weiland / KB3MUV kit@w3vpr.org	203 948 5369
MDC QSO Party	Jim Wallace / N3ADF mdcqsop@w3vpr.org	301 538 6233
Newsletter	Milford Craig / N3WYG newsletter@w3vpr.org	301 218 8867
Packet Radio	Jonathon Grafe / AE2JG packet@w3vpr.org	240 426 2664
Program	Tim Nagel / KB3YQK vice.president@w3vpr.org	
Public Service	Erick Graves / WA3G public.service@w3vpr.org	410 987 7670
Repeater Ops	John Williams / K8JW repeaters@w3vpr.org	410 647 7406
Rules	Chuch Tanner / K3ACT rules@w3vpr.org	301 464 2667
Service Hours	Jim Wallace / N3ADF service.hours@w3vpr.org	301 538 6233
Tower	(TBD) tower@w3vpr.org	
Training	Keith Miller / AE3D training@w3vpr.org	240 758 0423
VE Team	David Rawley / N3AT testing@w3vpr.org	
Webmaster	Mark Bova / W2PAW webmaster@w3vpr.org	240 274 6294
Wed. Nite Net	Jamison Phipps / W3KNH wednesday.night.net@w3vpr.org	
Winter Field Day	Rick Steer / AB3XJ winter.field.day@w3vpr.org	

Groups

Board of Directors	board19@w3vpr.org
Kit Building Committee	kitbuilding@w3vpr.org
Rules Committee	rules.com@w3vpr.org



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 – MMARC –
Mike Montrose / KA2JAI 443-310-4907 web site is
tinyurl.com/marylandmobileers

To all exams bring:

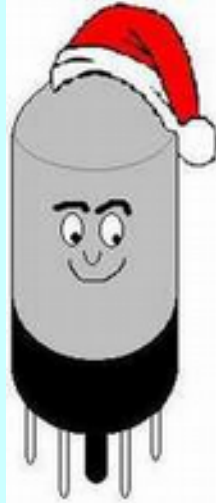
- Picture ID
 - Social Security Number or FCC Registration Number (FRN)
 - **ORIGINAL** and a **COPY** of current FCC amateur radio license
- ORIGINAL and a COPY of all element credits (eg., FCC letters, old licenses or unexpired Certificates of Successful Completion of Examination-CSCE)**

Fourth Annual American Legion PGCERA

“SantaFest”

December 7, 2019

Remember the Lives Lost in Pearl Harbor



Tables are \$20.00 Each (*Includes one Admission per Table*)

Tailgating \$15.00 Per Space (*Includes one Admission per Space*)

Information, Table and/or Tailgate Space

Contact: “selbynet@hotmail.com”

Admission is \$6.00

SantaFest 8:30 AM to 12:00 PM

American Legion Youth Camp

9201 Surratts Road

Cheltenham MD 20623

VE EXAMS 0900 Hours to 1100 Hours

Walk-In Must Sign In No Later Than 1030 Hours

SantaFest will take place regardless of the weather.

Talk-In K3ERA Repeater 145.230 PL 110.9

Set-Up Starts at 7:00 AM

Want A Thrill Like No Other

Want a thrill like no other for less than \$16 and a few hours on a Sunday afternoon? Do what I did and read DeSoto's *200 Meters and Down - The Story of Amateur Radio*. Published in 1936, it covers the discovery of radio physics, experimentation, application, and the breathtaking development of Amateur Radio in the dawn of the art. The main takeaway, among many others, for me was the degree to which *amateurs* and *Amateur Radio operators* were involved in the development of all radio communications, including the broadcasting service. Pick up the book, and find yourself amazed of the early pioneering work of radio amateurs, the kind of pioneering that still goes on today.

Used with permission The ARRL Letter, September 18, 2019

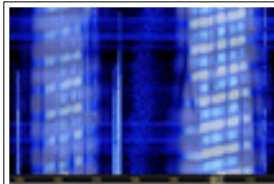
AA



AA

OTH Radar

OTH Radar is now reported to be "everywhere." The latest International Amateur Radio Union Region 1 Monitoring System ([IARUMS](#)) [newsletter](#) reports the Russian "Contayner" over-the-horizon radar (OTHR) has been active in the 7, 10, 14, and 18 MHz amateur radio allocations (amateur radio is primary on 40, 20, and 17 meters). The OTHR transmissions have been 40 sweeps/second, FM on pulse, and 12 kHz wide. Additionally, IARUMS reports a significant increase in Russian military traffic using F1B, PSK, and orthogonal frequency division multiplex (OFDM) on 40, 30, 20, and 15 meters. IARUMS on November 13 reported an OTHR in northern Iran on 6.078 - 7.022 MHz, AM on pulse, 81 sweeps/second, 44 kHz wide.



A spectrogram of the Russian "Contayner" OTHR. [Image courtesy of Wolf Hadel, DK2OM]

Used with permission The ARRL Letter, November 14, 2019

AA



Net Control Radio Operators

ARE NEEDED

during the work-weekdays -

from 0700 to 0900 am.

Contact: Jim Wallace, N3ADF

AA

Major Station Burglary Demonstrates Need for Building, Radio Room Security

The Los Angeles Fire Department (LAFD) Auxiliary Communications Service (ACS) North Valley Station (old Fire Station 77) was burglarized recently. The thieves broke into the radio room and took virtually everything including the lights. While they were careful in removing the radios -- brackets and all -- they chose to vandalize the room after they were done. LAPD has taken a report and processed the area for fingerprints. The list of stolen items is available. Area amateurs were asked to watch ham radio classified ads and inform the LAFD ACS if any of the listed items are shown. Serial numbers for all radios are available. The members will soon begin to raise funds to replace the equipment and to better secure the facility. [Donations](#) to [LAFD](#) ACS are being accepted and appreciated. - *Dan Tomlinson, NR6V, Los Angeles City Auxiliary Communications Service (ACS) Battalions 10 and 17 Communications Unit Leader* [Thanks to Duane Mariotti, WB9RER, for forwarding this report to the *ARES E-Letter* --ed.]

Used with permission The ARES E-Letter, November 12, 2019

AA

The Anne Arundel Radio Club

is a registered 501C3 charity.

We are pleased to receive any donations over your yearly dues.

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.

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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