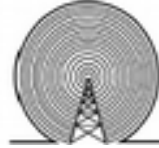


The Ham Arundel News



Providing Fellowship and Community Service through Amateur Radio Since 1951

July 2019

40th Year of Publication



Keith Miller, AE3D

The Prez Sez

Hard to believe I've been President of the Anne Arundel Radio Club for 6 months! The year is whizzing by, and even Field Day is now in the rear view mirror. There are several events still creeping up on us, like the Maryland DC QSO Party, a Fox Hunt and the Club Picnic, and only a few months left to get our outside work completed at the club

house. Who knows, we might paint the exterior of the club house yet this summer.

So we have a lot of work ahead of us. Jim Wallace, N3ADF has taken over the Maryland DC QSO Party and should have the new Ham Shack and at least 3 operating positions working in time for the event. We should have one of the two Field Day Mosely Classic tri-band beams up on the North tower by then too, complete with new rotor and rotor cable. The two other stations will likely operate using the two off center fed dipoles that are currently up and running. Inside the Ham Shack our acrylic table tops have been installed, monitors will be mounted soon and various other equipment installed as needed to host the Maryland DC QSO Party for 2019. At this point it is questionable as to whether we will have a second rotor, along with 6 meter, 2 meter, meter and a quarter and 70 centimeter antennas up to give us UHF/VHF capabilities for the event. I hope we can make that happen too. If not, we still need to finish up the UHF/VHF antennas before summer ends.

Meanwhile I am trying to assemble a committee to design the remainder of the antenna system needed to operate all bands between 160 meters and 70 centimeters from our new Ham Shack. We have the rig capacity just waiting. The idea would be to replace the two off-centered dipoles with a group of antennas that will not only meet our needs, but won't interfere with mowing, grounds maintenance and our DFRC neighbor's use of the grounds. If you have any interest at all in being part of the discussion, see me so I can add your name to the list. Remember people good common sense about our neighbors and what they will and won't like may be just as important as having persons who can design antenna systems.

After the QSO Party the Club Picnic, on September 14th, is not far off. I'd like to jazz it up a bit this year by holding a club Fox Hunt the morning of the picnic.

My plan is to first run a presentation on how to build suitable antennas in July or early August, then a workshop in late August to actually build tape measure beams for use in hunting the proverbial Fox. Then the morning of the Picnic we all get together at someplace that serves a good breakfast, eat, and when the time comes, hit the road in teams of 3 or 4 to hunt the fox. If we do it right, that will take two hours or so, as we use the repeater to chat with the other teams of fox hunters along the way. When it is over, a winner is declared, and we radio back to get the burgers and dogs put on the grill, and head for the DFRC's Picnic Pavilion for our yearly picnic and mini-hamfest. Sounds like a great day to me! But then a bad day of ham radio beats a good day at work any time.

Meanwhile I'm trying to update the General Class Test Prep PowerPoint presentation to reflect the new test questions added on the first of this month. Its first showing should be on the 13th prior to 1pm testing. Finally I am working on a series of PowerPoint presentations to teach the proper use of the patch panel, the Winkeyer, the 5 ham shack rigs, and our logging software, HRD and N1MM. I'm exhausted just thinking about all this.

One thing for sure, in the past 6 month's I've learned a lot. And one of those things is that the more we do, the more fun it gets to be, and the better we become as a club. And so far we've done a lot. We ran classes for Technicians and Generals, we held a Sale and Auction, we held a very successful Field Day, we reorganized rooms and built a workshop. We got a Boy Scout to build stairs to the Storage Building, we got two Mosely Classic tri-band beams ready for operation, we inventoried all sorts of stuff, cleaned the club house and the list goes on and on. What a year, and its only half over!

THE HOLLY NET

**Net Control Radio Operators
ARE NEEDED**

during the work-weekdays -
from 0700 to 0900 am.

Contact: Jim Wallace, N3ADF

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@3vpr.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	Jim Wolfe / NA3C membership.secretary@w3vpr.org	
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	Bruce Strackbein / WR3Q fox.hunt@w3vpr.org	
Joint 440 Comm	Gordon Davids / WJ3K joint440@w3vpr.org	410 647 2956
MD Slow Net	Bruce Stewart / W8CPG chickenfarm9@gmail.com	
MDC Section Manager	Marty Pittinger / KB3MXM arri.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	Scott Rasmus / KC3BFW networking@w3vpr.org	240 758 0463
Facilities	Eric Berman / KC3GDV facilities@w3vpr.org	
Field Day	(TBD) field.day@w3vpr.org	
Station Manager	Rick Steer / AB3XJ ham.shack.coordinator@w3vpr.org	

Ham Shack Renovation	Jamison Phipps / W3KNH ham.shack.renovation@w3vpr.org	
Holly Net	Jim Wallace / N3ADF holly.net@w3vpr.org	
HSM-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 / AE5Z 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 –
Rick Steer / AB3XJ 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)

Magnetic Loop Antenna Designs Multiply

Magnetic loops have become popular as effective and compact antennas for traveling and stealth applications. An HF magnetic loop design by John Chappell, W3HX, was an honorable mention in the 2018 QST Antenna Design Competition. Chappell's mag loop offers coverage on 80 - 20 meters, and he runs FT8 at 50 W. See his article on page 39 of the June 2019 issue of QST.



The magnetic loop for 40 and 20 meters designed by Richard Robbins, WA8RR. [Photo courtesy of DELARA News]

Richard Robbins, WA8RR, wanted to build one of his own for 40 and 20 meters, and he [described his efforts](#) in a recent edition of his club's newsletter, *DELARA News*. An [online calculator](#) helped him come up with the basics, and he decided on a 10-foot circumference loop constructed from half-

inch copper pipe that would handle 100 W. His prototype, constructed from a piece of pipe "hand bent into an approximate circle," a Dayton Hamvention flea market capacitor, and a coax drive loop, would tune the two bands -- although, as expected, tuning was very sensitive and affected by body capacitance.

He worked up a reduction drive and remote motorized tuning, and was able to make several FT8 contacts, using his antenna analyzer to tune the loop. "The tuning would shift as I was transmitting," Robbins recounted. "This is a result of a very high circulating current and heating of the separate components." Encouraged, he went for a higher-end design constructed

around a 5 - 500 pf vacuum variable capacitor, the project's most expensive component (these go for \$150 or more on eBay). "It is big and heavy," Robbins said. He had a metal fabricator bend a new piece of thin-wall copper tubing into a more aesthetically pleasing circle.



"To drive the capacitor, I obtained a stepper motor and driver, an Arduino controller board, and a four-channel remote," Robbins explained. "I used some sample programs to develop the code that would move the capacitor at different speeds depending on how long the remote was pressed. I added markings on the capacitor, so I could quickly move to different bands." -- *Thanks to DELARA News*

Used with permission ARRL Letter, May 2019

Ohio ARES Activates in Wake of Tornadoes that Badly Damaged Hara Arena

Hara Arena, in Trotwood, Ohio, which served as the home for Dayton Hamvention® for more than 6 decades, was among the structures extensively damaged when tornadoes swept through the Dayton area on Memorial Day. WHIO-TV drone video showed that the roof and side of the structure had been blown off in several places by the EF3 (severe-scale damage) event. Ohio Section Emergency Coordinator Stan Broadway, N8BHL, said ARES counties and districts activated after nearly 40 tornado warnings were issued across the state. He said Ohio ARES was in the process of announcing a partnership with the Ohio Emergency Management Agency Watch Desk, in which some 2,000 Ohio radio amateurs will feed situation awareness to the state.

"Our plan was to use the Ohio DMR statewide talk group along with our normal HF 80-meter voice and digital



nets -- depending on storm noise," Broadway said. "We got to launch that system under pressure [on] Memorial Day." Broadway said information received from radio amateurs during the all-night effort was fed directly into the state's *WebEOC* software to help the Watch Desk determine the need to assist county EMA directors requests for aid. The Ohio AuxComm's W8SGT was on the air continuously, receiving reports from county ARES groups, he added.

The severe weather struck after dark, causing widespread damage in and around Dayton and elsewhere in the Miami Valley. Multiple injuries and one fatality have been reported. It appears that at least two tornadoes were responsible for most of the devastation, which was called "catastrophic." The NWS office in Wilmington, Ohio, estimated that at one point, storms and tornadoes left some 5 million people without electrical power.

Snow plows were repurposed to remove debris from Interstate Route 75, and the American Red Cross set up shelters to accommodate displaced residents.

"First-tier communications remained solid in most of the affected areas," Broadway recounted, "but amateur operators were able to provide situational awareness that enhanced the response." Most ARES activities in Ohio wrapped up on May 29.

WHIO-TV reported on June 5 that structural engineers were still assessing the damage at Hara Arena, but Michael Heitz, the Kentucky developer who now owns the building and the surrounding 120 acres, has expressed confidence that the main arena can be saved, although an attached section will have to be demolished.

Used with permission The ARRL Letter, June 7, 2019

THE ESSENCE OF FIELD DAY JUNE 2019



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	<u>Maryland</u> 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
<u>Maryland Slow Net</u>	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.*

CONGRATULATIONS

Hess Jr., Richard L	KC3LPG	Upgrade to General
Taylor, Samantha G	KC3NGW	Upgrade to General
Jones, James C	KI5FCM	New Technician
Dorffner, James E	KC3NPL	New Technician
Kemper, Brian J	KC3NPM	New Technician
Gragson, Tarsha K	KC3NPN	New Technician
Blackwell, Andrew L	KC3IFN	Upgrade to General
Myers, Devin T	KC3NPP	New Technician
Byrd, Rebecca	KC3NPO	New Technician
Ross, Eric A	KC3NAA	Upgrade to General

Good job! well done.! Welcome to the Amateur Radio.

Please join us in all the activities of the Anne Arundel Radio Club.

President and board of Directors

Anne Arundel Radio Club

July 2019

So Now What? Podcast

"Highlights from Hamvention" is the focus of the new (June 13) episode of the [So Now What?](#) podcast for Amateur Radio newcomers. It will feature segments from Tony Milluzzi, KD8RTT, and Andy Milluzzi, KK4LWR, of The Collegiate Amateur Radio Initiative (CARI); Teachers Institute instructor Tommy Gober, N5DUX, who was at the ARRL Lifelong Learning booth this year; Jet Jurgensmeyer, KE0UWZ, of *Last Man Standing*, and Space Weather Woman Tamitha Skov, WX6SWW. Two aspiring hams -- Sarah Byrne, who works in emergency management, and Valencia Simpson, who has assisted ARRL at Dayton Hamvention[®] for the past 5 years -- also will be guests.



If you're a newly licensed Amateur Radio operator, chances are you have lots of questions. This biweekly podcast has answers! *So Now What?* offers insights from those who've been just where you are now. New episodes will be posted every other Thursday, alternating new-episode weeks with the [ARRL The Doctor is In](#) podcast.

So Now What? is sponsored by [LDG Electronics](#), a family owned and operated business with laboratories in southern Maryland that offers a wide array of antenna tuners and other Amateur Radio products.

ARRL Communications Content Producer Michelle Patnode, W3MVP, and ARRL Station Manager Joe Garcia, NJ1Q, co-host the podcast. Presented as a lively conversation, with Patnode representing newer hams and Garcia the veteran operators, the podcast will explore questions that newer hams may have and the issues that keep participants from staying active in the hobby. Some episodes will feature guests to answer questions on specific topic areas.

Listeners can find *So Now What?* on [Apple iTunes](#), [Blubrry](#), [Stitcher](#) (free registration required, or browse the site as a guest), and through the free Stitcher app for iOS, Kindle, or Android devices. Episodes will be archived on the ARRL website.

Used with permission The ARRL Letter, June 13, 2019

WSJT-X Developer Posts Observations on Using FT8 in June VHF Contest

WSJT-X developer Joe Taylor, K1JT, has tentatively concluded that there are good reasons to use both FT4 and FT8 in ARRL VHF contests. The latest beta version of FT4 was not available for the event, but Taylor noted that FT4 will be available for future contests.

The current -rc7 beta version will not be usable during ARRL Field Day (either). Taylor, who was active in the VHF event over the past weekend, made the remark in a post to the



[Packrats](#) reflector. Taylor reported making 433 contacts (21 dupes) in 152 grids, all, by and large, on FT8.

"Most of the time there was enough sporadic E and tropo-scatter to keep things busy using FT8," Taylor observed. "In this event, meteor scatter using MSK144 was not, score-wise, time efficient."

Taylor said he operated from home only on 6 meters and only on digital, "mainly to see how FT8 plays in a June VHF Contest." He operated for 21 of the contest's 33 hours and left his receiver running on 50.313 MHz when not in the shack.



Joe Taylor, K1JT, [Bob Inderbitzen, NQ1R, photo]

"During the contest period, I decoded 45,375 transmissions from others in the 4 kHz window starting at 50.313 MHz," Taylor recounted. "That's an average of about 11 decodes per 15-second receive cycle."

Taylor said he seldom, if ever, found that a single 3 or 4 kHz window was "too crowded" with activity. "There were nearly always some open spots, even with nearly everyone in the first 2.7 kHz of the window," he said.

Taylor also speculated as to how the twice-as-fast FT4 might have fared, being 4 dB less sensitive than FT8 and having an 80 Hz bandwidth instead of FT8's 50 Hz bandwidth.

"My guess is that something like 80 - 85% of my QSOs could have been completed using FT4, most of them in half the time than it took in FT8," Taylor said.

Used with permission The ARRL Letter, June 13, 2019

AARC Mesh Networking Group

1:00 to 4:00 PM monthly,

on the 3rd Sunday of the month

AARC Clubhouse, Davidsonville, MD

(Next Meeting will be July 21 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

AA

Free Money for AARC!

ARRL Membership Reminder

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

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

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



Mark Your Calendars

REGULAR ACTIVITIES

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

Free License Exams every 2nd Saturday of the Month - Check in at Noon, Exams at 1PM - At the clubhouse - Contact David Rawley / AE5Z, testing@w3vpr.org

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

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

EVENT SCHEDULE

Thursday, July 11 7:30pm
AARC - board meeting

Saturday, July 13 12:00pm
AARC - Free License Exams

Thursday, July 18 7:30pm
AARC - Club meeting, newcomers always welcome.

Sunday, July 21 1:00pm
AARC - Mesh Networking group, Every 3rd Sunday, 1 to 4 PM at the clubhouse

Sunday, July 28 1:00pm
AARC Kit-building, troubleshooting and repair, at 1 to 4 PM at the clubhouse

1:00pm
Open Shack Hours

Dayton Hamvention Attracts a Happy Crowd

[Dayton Hamvention®](#), hosting the 2019 ARRL National Convention, chalked up its third year at its new venue, the Greene County Fairgrounds and Expo Center in Xenia, Ohio. Amateur Radio's largest annual gathering took place May 17 - 19. Hamvention officials have not yet released a 2019 attendance figure, but last year's show drew 28,417 -- the third largest attendance ever. For many hams, Hamvention offers an opportunity each spring to renew old acquaintances and make new ones, and for manufacturers to debut their latest and greatest gear.



ARRL President Rick Roderick, K5UR.

"These were some of the biggest crowds I've seen since Dayton Hamvention relocated to Xenia," ARRL Product Development Manager Bob Inderbitzen, NQ1R, said.

Hamvention visitors enjoyed largely comfortable weather, with some drizzle on opening day. By all



accounts, the crowd was animated and amiable. This year marked the first that Hamvention offered free Sunday admission.

"Dayton Hamvention 2019 was a fantastic event and was a great setting for the ARRL National Convention," said ARRL President Rick Roderick, K5UR. "Thank you to everyone for stopping by the ARRL exhibit area to visit with ARRL officials, staff, and volunteers. It's always a pleasure to be able to have a face-to-face QSO with everyone. Isn't ham radio great? The greatest hobby in the world!"



Members of the Nashua (New Hampshire) Area Radio Society received the Dayton Hamvention® Club of the Year Award. At ARRL's invitation, NARS hosted an interactive exhibit to serve as a model for other clubs to emulate. (L-R) Scott Andersen, NE1RD; Jamey Finchum, AC1DC; Fred Kemmerer, AB1OC; Brian McCaffrey, W1BP; Anita Kemmerer, AB1QB; Dave Merchant, K1DLM; Abby Finchum, AB1BY, and Charlie Dunn, W1CBD. [Bob Inderbitzen, NQ1R, photo]

A free ARRL Dayton Hamvention mobile event app helped visitors navigate the landscape of exhibitors and forums. Attendees also used the app to follow the hourly prize

drawings, connect with other visitors, and view maps of the sprawling fairgrounds. The new app got a positive reception.

The Nashua (New Hampshire) Area Radio Society (NARS) -- the 2019 Dayton Hamvention Club of the Year -- led the "ARRL Spotlight on Radio Clubs and Mentoring" forum. NARS members described the ways the club builds and maintains a strong and active membership through its website, licensing classes, and programs that fit members' schedules. The success rate for licensing classes is 93%, and the club retains 70% of active members. Instructors from the ARRL Education & Technology Program shared resources available for introducing radio science and wireless technology.

In step with the shared ARRL Convention-Hamvention theme, "Mentoring the Next Generation," the 2019 Youth Forum moderated by Carole Perry, WB2MGP, drew attendees of all ages.

It was standing room only at Saturday's ARRL Member Forum, which featured a panel of ARRL Board members with ARRL Great Lakes Division Director Dale Williams, WA8EFK, moderating. Pacific Division Director Jim Tiemstra, K6JAT, who chairs the Legislative Advocacy Committee, addressed the Board's decision to hit the pause button on the Amateur Radio Parity Act. He said the Board intends to renew efforts to get a bill passed and will craft a new strategy to make that happen.



ARRL CEO Howard Michel, WB2ITX, addresses the ARRL Member Forum. [Bob Inderbitzen, NQ1R, photo]



Riley Hollingsworth, K4ZDH, discusses the new Volunteer Monitor Program. [Allison McLellan photo]

Amateur" presentation, audience members expressed support for the new directions Michel is taking ARRL in terms of delivering more value to members.

Riley Hollingsworth, K4ZDH, headed up a Sunday forum on ARRL's new [Volunteer Monitor Program](#). Hollingsworth

President Roderick and CEO Howard Michel, WB2ITX, stressed the need to attract more Technician licensees into ARRL. Roderick challenged forum attendees to make sure their clubs are welcoming newcomers and helping them to get active and engaged as radio amateurs. At Michel's "Engaging Today's Radio



The Youngsters on the Air (YOTA) delegation (L - R); Florian Zwingl, OE3FTA; Larissa Rentmeister (SWL); Markus Grosser, DL8GM; Phillip Springer, DK6SP. YOTA is a project of IARU Region 1. [Bob Inderbitzen, NQ1R, photo]

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.