The Ham Arundel News

Providing Fellowship and Community Service through Amateur Radio Since 1951

June 2018 *39th Year of Publication*

Everyone Is Welcome June 24, and 25, 2018

Come and see how the

Maidenhead Locator works

Proposed F/D Antenna System

Here is a view of the AARC grounds from satellite. I have used Google Earth to create a map of our proposed mast marker positions as seen below:

The yellow line shows the plane in which all antennas will be placed. This will aim all antennas slightly south of due west. The red dots indicate the placement of each mast. The blue dots indicate the ends of the antenna system. Since the two end antennas are both delta loops, 1/2 of each antenna is located past the final mast in each direction. There will be 10 antennas in all, 2 for 80 meters (phone & CW), 3 for 40 meters and 3 for 20 meters (phone, CW and digital on each band) and one antenna each for 15 and 10 meters.

Above the "© 2018 Google" just above and to the left of the second red dot from the bottom, is the flat area where we will put our shelters. We would also like to place two markers there to mark the correct positioning of the shelters for future years. The lengths of our feed lines need to be constant from year to year as well, and since the antennas placement will be constant, our shelter layout needs to be constant too. To plot those spots exactly, I would need to set up the shelters.

The spacing of the red dots is described below, starting from the top and moving downward on the graphic.

End to Mast 1 = 28 ‘t
End to Mast 2 = 67’ 9”, or 39’ 9” past Mast 1
End to Mast 3 = 188’ 9 inches, or 121’ past Mast 2
End to Mast 4 = 266 ‘, or 77’ 3” past Mast 3
End to Mast 5 = 437’ 1”, or 38’ 8” past Mast 4
End to Mast 6 = 464’ 1”, or 27’ past Mast 5
End to End = 464’ 1”, or 27’ past Mast 6

This spacing means that most antennas are only 6 inches apart horizontally. The last two antennas on each end are not spaced horizontally at all. They are delta loops and are triangular in shape, with the long side at the bottom. The end antennas being larger, are wider at the bottom than the adjacent antennas. Since their widest spots respectively occur at differing heights these antennas will be separated vertically from their neighbors and horizontal separation will not be needed. As you can clearly see from the graphic, this is a tight fit, we are using every trick we can, and knowing exact placement for the masts is critical. This is why we want to mark them for future use.

73s.....
Keith Miller, AE3D
ARRL / AARC

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Mast Markers

Bill Rynone, WB2EIQ has an idea to make markers for the locations of our 6 masts for Field Day. These would be 2 1/2" diameters pieces of PVC buried in the ground, with 2" diameter PVC pieces inserted in them with caps such that these inner tubes could not fall below where the cap hits the outside PVC tube. These tubes would be set in the ground using a post hole digger, at the prescribed locations. The top of the cap when in the lowered position would be at ground level so as not to pose a tripping or mowing hazard.

The idea is that during Field Day, the inner tubes would be raised, with a pin put through it to make the top of the unit stand 6" or so above ground level. We would then place our 6 masts very close to the location of these markers. After field day we would remove the pins and let the inner section fall back down to ground level for the remainder of the year.

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Field Day 2018 reminder (with no Eagles theme music)

Submitted by W2PAW

Instead of an Eagles PowerPoint presentation, how about some chicken?

Yep, this is some chicken that was well on it's way to becoming pulled chicken BBQ, the photo taken back in 2015 for that year's Field Day. I really enjoy making and serving the pulled pork and chicken every year, and we're going to do it again this time. [*click to read more*]

Field Day 2018 comes early this year, so please remember to circle **June 23rd and 24th, 2018** for a fun weekend, and if you're not a member, remember that *newcomers are always welcome.*

Volunteers are needed, and if you help us erect the temporary Field Day infrastructure on Saturday morning for the 2 PM Eastern time kickoff, I will be happy to serve you a BBQ meal.

Pulled pork BBQ (North Carolina style), as a sandwich if you wish
Pulled chicken
Smokey black beans
Field Day Mac & Cheese
Slaw (as topping or side)
Assortment of BBQ sauce (the meat comes un-sauced)

(Hopefully we can think of something special to serve for Saturday's Dinner ;-)

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2018 ARRL Field Day – June 23-24

Field Day is ham radio's open house. Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933, and remains the most popular event in ham radio.

Objective-

To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit, but are not eligible to submit entries.

This year, many groups and participants may choose to combine **2018 Field Day** with our yearlong operating event **- 2018 ARRL International Grid Chase** (IGC) - working stations in as many grid squares as possible and uploading log data to ARRL's Logbook of The World (LoTW)

For **2018 Field Day** and the IGC, the standard event exchange of Field Day **Class** and **Section** is still what is sent over the air. After Field Day is where your logs can count for the IGC, but you must be sure when uploading your Field Day logs to LoTW that your TQSL Station Location includes your Grid Square - then LoTW takes care of the rest. Check out the Monthly ongoing results on the **IGC Leaderboard**

Want to see what **2018 Field Day** is all about? Watch our new **2018 Field Day Public Service Announcement** or view what several groups **uploaded to Youtube** from their 2017 Field Day activities.

Used with permission ARRL Field Day Website

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OPERATING TIP

Cinco Nueve

Learn how to say your call sign in other languages to get more contacts in phone contests. If the exchange is just a signal report, you can likely get by just knowing your call sign and the letters and numbers of the target language. Try calling CQ while pointing in a suitable direction.

Used with permission The ARRL Contest Update for May 2, 2018

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Historic NSS Call Sign to be Reactivated for Naval Radio Station's 100th Anniversary

Historic US Navy call sign NSS will be reactivated during the 100th anniversary of the former Naval Radio Station in Annapolis, Maryland. Members of the US Naval Academy Radio Club (W3ADO) and the Potomac Valley Radio Club (W3GRF) will return the historic call sign to the air during the Armed Forces Day Crossband Military/Amateur Radio Communications Test this weekend.

NSS operations from the site of the former Naval Radio Station on Greenbury Point will run from 1300 UTC

on Saturday, May 12 to 0200 UTC on Sunday, May 13. Transmissions on CW and SSB will take place on 4,038.5; 5,330.5; 7,533.5; 9,447; 14,487, and 17,545 kHz. NSS will listen for callers on announced frequencies in adjacent Amateur Radio bands. Commemorative QSL cards will be sent for all contacts.

NSS began operation in 1918 as the Annapolis High Power Radio Station using two Federal Telegraph Company 500 kW Poulson arc transmitters and four 600-foot towers, operating in the very low-frequency (VLF) region of the radio spectrum. At that time, VLF was believed to be the only part of the radio spectrum capable of supporting transoceanic radio communication; it would be a few more years before radio amateurs proved the major long-distance communications benefits of frequencies well above 1 MHz.

The pair of Federal Telegraph Company 500 kW Poulson arc transmitters installed at NSS-Annapolis in 1918. [US Navy photo]

NSS began regular operation in the HF bands about 10 years later, and that continued until 1976, when the station's HF mission was transferred to Naval Radio Station (call sign NAM) in Norfolk, Virginia. The 1,200-foot central tower and dozens of other towers and masts were demolished in 1999, although three iconic 600-foot Eiffel towers remain at the southern tip of Greenbury Point.

A brief video history of NSS is available on YouTube. The website of radio history buff Jim Hawkins, WA2WHV, also offers a virtual tour of NSS.

(Editor's Note: The most interesting part is that AARC members have been invited to take part in the NSS operation on Beach Circle in Annapolis just across the Severn River from the Naval Academy. This means you get to operate on the Military side of things. They will have 4 transmitters operation on SSB and CW from 9am to 10pm Saturday May 12th, so there will be plenty of volunteers needed. And since they operate by Military Rules, Technicians are more than welcome to come take part in this HF event.

To give you some idea, last year they made more than one-thousand QSOs in 13 hours of operation.)

Used with permission The ARRL Letter for May 10, 2018

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Miss Holly Laid to Rest

Friday, May 19, 2018, a number of members from the Anne Arundel Radio Club attended the services at Arlington National Cemetery for Holly Bevan, N3MP (SK).

The Navy Color Guard was tops in the pouring rain and the Chaplin spoke well of Holly's life that was shared with us.

Mike, then a member of the Maryland Mobileers, without telling his parents, signed them up for a Novice class offered by the Anne Arundel Radio Club. Mike was in the Navy then and had recently set up a MARS station aboard the vessel he was serving on. We got the benefits of Mike's actions for most of the next 40 years.

"Holly" was a lifetime member of the AARC. She was 101 years young and participated as a member for decades when she past away.

Holly was an ARRL MDC Assistant Section Manager." says Marty Prittenger, KB3MXM MDC Section Manager, ARRL.

Our thanks and appreciation for Mr. Wayne Precht, AB3RY for the photographs.

Grid Squares or Maidenhead Locator System

(Information from an article from Wikipedia)

A Maidenhead locator compresses latitude and longitude into a short string of characters, which is similar in concept to the World Geographic Reference System or GEOREF. This position information is presented in a limited level of precision to limit the number of characters needed for its transmission using voice, Morse code, or any other operating mode.[4]

The chosen coding uses alternating pairs of letters and digits, like so:

BL11bh16

In each pair, the first character encodes longitude and the second character encodes latitude. These character pairs also have traditional names, and in the case of letters, the range of characters (or "encoding base number") used in each pair does vary.

The world is divided into 324 (18²) Maidenhead fields.

To avoid negative numbers in the input data, the system specifies that latitude is measured from the South Pole to the North Pole, and longitude measured eastward from the antimeridian of Greenwich, giving the Prime Meridian a false easting of 180° and the equator a false northing of 90°.

To simplify manual encoding, the base for the first pair of letters—traditionally called a *field*—was chosen to be 18, thus dividing the globe into 18 zones of longitude of 20° each, and 18 zones of latitude 10° each. These zones are encoded with the letters "A" through "R".

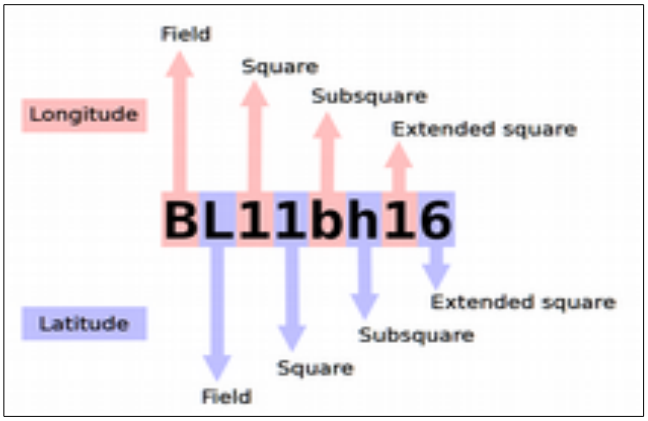
Fields are divided into 100 squares each.

The second pair of numbers, called a *square* and placed after the first pair of letters, uses a base number of 10, and is encoded using the digits "0" to "9". This is where the alternative name "grid squares" comes from. Each of these squares represents 1° of latitude by 2° of longitude.

For additional precision, each square can optionally be sub-divided further, into *subsquares*. These are encoded into a second pair of letters, often (but not always) presented in lowercase. Again, to make manual calculations from degrees and minutes easier, 24 was chosen as the base number, giving these subsquares dimensions of 2.5' of latitude by 5' of longitude. The letters used are "a" through "x".

The resulting Maidenhead subsquare locator string is hence composed of two letters, two digits, and two more letters. To give an example, W1AW, the American Radio Relay League's Hiram Percy Maxim Memorial Station in Newington, Connecticut, is found in grid locator FN31pr. Two points within the same Maidenhead subsquare are always less than 12 km (7.5 mi) apart, which means a Maidenhead locator can give adequate precision from only six easily transmissible characters.

For even more precise location mapping, two additional digits were proposed and ratified as an *extended locator*, making it altogether eight characters long, and dividing *subsquares* into even smaller ones. Such precision has uses in very short communication spans. Beyond this, no common definition exists to extend the system further into even smaller squares. Most often the extending is done by repeating alternating subsquare and square rules (base numbers 24 and 10 respectively). However, other bases for letter encodings have also been observed, and therefore such *extended extended* locators might not be compatible.



To summarise:

- Character pairs encode longitude first, and then latitude.
- The first pair (a *field*) encodes with base 18 and the letters "A" to "R".
- The second pair (*square*) encodes with base 10 and the digits "0" to "9".
- The third pair (*subsquare*) encodes with base 24 and the letters "a" to "x".
- The fourth pair (*extended square*) encodes with base 10 and the digits "0" to "9".
- The fifth and subsequent pairs are not formally defined, but recycling the third and fourth pair algorithms is one possible definition:

BL11bh16oo66

On shortwave frequencies, positions are reported at *square* precision, and on VHF and UHF, *subsquare* precision is used. More precise position reports are very rarely used.

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Report: Former Hamvention® Home Hara Arena Getting a New Owner

The *Dayton Daily News* reported this week that a Louisville, Kentucky-based developer, Michael Heitz, of Garrett-Day LLC Properties, is in the process of buying Hara Arena, which served as home to Dayton Hamvention® from 1964 until 2016.

Heitz told the *Dayton Daily News* that he bought out income tax liens on the property from Montgomery County and is hoping to close on some bank liens later this week. It's not known how much Heitz has invested in the property so far. The purchase includes the six-building Hara Arena complex and some 120 acres of real estate, 25 of them devoted to parking. Heitz said his priority is to "clean it up and secure the property." Since its closing in 2016, Hara Arena has been visited by camera-carrying urban explorers as well as by vandals who have trashed the building and its contents.

The IRS put the Hara Arena complex on the auction block last August to satisfy a federal tax lien, but no successful bidder came forward. An IRS staff member involved in the 2017 auction told ARRL early this year that the agency would not try again to auction the parcel, but suggested that other lien holders, including a mortgage lender and the Town of Trotwood, might go that route. At one point, the asking price for Hara Arena was $775,000.

The *Dayton Daily News* reported in March that Hara property owner-trustees owed back taxes plus around $350,000 to banks. Heitz is known for buying distressed properties and getting them "shovel ready." He plans a Monday news conference to discuss the purchase and his plans.

According to the *Dayton Daily News*, Heitz has purchased other properties in the area by buying up tax and property liens, and his reputation for acquiring derelict properties and turning them around goes back several years. A former West Virginia University basketball player and distance cyclist, the 7-foot-tall Heitz is said to be a fearless investor.

The Wampler family had owned and operated Hara Arena since its humble origins in the 1950s, when Wampler Ballarena -- then a dance hall and now an exhibit hall familiar to Hamvention visitors -- was built in what had been a family-owned orchard. When Hara closed in August 2016, the economic hit to the Dayton area was estimated to be $36 million a year.

Used with permission XXXXXXXXXXXXXXXXXXXXXXXX
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AARC Mesh Networking Group,

1:00 to 4:00 PM monthly,
on the 2nd Sunday of the month
AARC Clubhouse, Davidsonville, MD

Eric Circuns, WP4OXB, (SK)

A Puerto Rico radio amateur involved in hurricane recovery was among those who died when a Hercules C-130 aircraft crashed on May 2, killing all aboard. Among the nine fatalities was Eric Circuns, WP4OXB, of Rio Grande, Puerto Rico. The cargo plane, attached to the Puerto Rico Air National Guard's 156th Airlift Wing, went down shortly after takeoff from Georgia while on a routine mission. "Eric had been part of this unit, and this aircraft had served during both Hurricane Irma and Maria," ARRL Southeastern Division Assistant Director and Assistant Puerto Rico Section Manager Jose "Otis" Vicens, NP4G, said in a statement. "The people of Puerto Rico thank him for his service and ultimate sacrifice. He will be remembered." According to media accounts, the more than 60-year-old aircraft underwent repairs in Savannah in April. It had been used in several hurricane relief and recovery efforts and was on its way to Arizona for decommissioning.

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Registration For "Introduction To Emergency Communications" (EC-001) Suspended

ARRL has suspended registration for "Introduction to Emergency Communications" (EC-001). Registration was halted on April 30, after ARRL learned that the online platform provider for the course -- Connecticut Distance Learning Consortium (CTDLC) -- is being dissolved, effective July 1, according to CTDLC's parent, Charter Oak State College. CTDLC officials cited the fiscal challenges that the Connecticut state college and university system and the state as a whole are facing as the reason for shuttering CTDLC. As plans are made to move the course content to a new delivery platform, ARRL decided to halt registration. Anyone who signed up for the EC-001 session that starts on May 30 will receive a refund. ARRL has been developing new EC-001 content and will intensify the process of selecting a new platform to deliver it.

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ARRL FIELD DAY JUNE 23 – 24, 2018
EVERYONE IS WELCOME

Amateur Radio Parity Act Language Inserted in National Defense Authorization Act

ARRL has praised the work of US Representatives Joe Courtney (D-CT[2]), Vicky Hartzler (R-MO[4]), and Mike Rogers (R-AL[3]) for their successful efforts in securing language in the FY 2019 National Defense Authorization Act (NDAA) that asks the FCC to grant radio amateurs living in restricted communities the right to install effective outdoor antennas. Text from the proposed **Amateur Radio Parity Act** (HR 555) formed the basis for the Courtney-Hartzler-Rogers Amendment to the NDAA.

"The bill *does* entitle each and every Amateur Radio operator living in a deed restricted community to erect an effective outdoor antenna. Full stop. That is the principal benefit of this legislation," ARRL General Counsel Chris Imlay, W3KD, stressed. "There are tens of thousands of ham radio licensees who now, absent the legislation, cannot erect any outdoor antenna at all. This enables them in the same way PRB-1 has enabled hams to address unreasonably restrictive zoning ordinances during the past 33 years." Imlay points out, though, that certain conditions apply. Prior to erecting an antenna in a deed-restricted community, an applicant for an outdoor antenna may have to apply to the homeowners association (HOA) for prior approval of the particular antenna system proposed by the ham. The Act would *not* empower an HOA to deny approval of all outdoor antennas. But neither does it entitle radio Amateurs residing in deed-restricted subdivisions to erect whatever antennas they want.

"This legislation is a good solid balance that favors hams and, as I say, allows tens of thousands of hams to erect effective antennas that they have no right to erect now," Imlay said.

The amendment, offered by the bipartisan trio and accepted by the House Armed Services Committee by voice vote, will ensure that Amateur Radio operators will continue to play a vital role in supporting communications in a disaster or emergency. Amateur Radio has long-standing relationships with the Department of Defense through the Military Auxiliary Radio Service (MARS) and spectrum sharing.

The Armed Services Committee passed the NDAA by a 60-to-1 voice vote after a 14-hour markup that ran well into the night. The bill now awaits House floor action. The Senate will begin its markup of the NDAA during the week of May 21.

Representatives Courtney and Adam Kinzinger (R-IL/16) spearheaded the effort to include the Parity Act language in the NDAA. Both are cosponsors of the Parity Act, which has passed the House by voice vote twice in the past 2 years.

Recognizing the long-standing relationship between Amateur Radio and the Department of Defense, Congressman Kinzinger — who served multiple tours for the USAF as a fighter pilot and is still a Major in the Air National Guard, and Courtney have been champions of the legislation in Congress.

"The steadfast support of the Amateur Radio community continually demonstrated by Congressmen Kinzinger and Courtney has been a godsend," said Hudson Director Mike Lisenco, N2YBB. "The Parity Act wouldn't be anywhere close to this stage without their strong support, and our organization is extremely grateful."

Lisenco, who serves as Chairman of the ARRL Board's Legislative Advocacy Committee, also recognized other promoters of Amateur Radio, including House Energy and Commerce Committee Chairman Greg Walden, W7EQI (R-OR/2), Energy and Commerce Ranking Member Frank Pallone (D-NJ/6), and House Armed Services Committee Chairman Mac Thornberry (R-TX/13). "We are deeply grateful for their continued understanding and support," Lisenco said.

ARRL has pledged to continue pressing for support to enact the Amateur Radio Parity Act throughout the legislative process

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Show Me The Money!

For the second year, the Barry Amateur Radio Society (BARS) of South Wales in the UK has gained permission to operate within the Royal Mint, and regulator Ofcom has granted the call sign GB4RME ("Royal Mint Experience"). The theme of the June 1 - 2 event is "Covert Radio as used in World War II." At the same time, The Royal Mint will release a new 10-penny coin bearing a James Bond 007 theme. "They asked for our support in setting up a World War II covert radio display in keeping with James Bond exploits in the movies," said ARRL member Glyn Jones, GW0ANA. "Shame we can only 'play with our toys' for 2 days, but the mint is a very busy place, pressing coins and awards for around 82 countries, 24 hours a day." The building's lead roof "RF killer" and razor-wire "Faraday cage," plus electronic alarms, give the radio amateurs "loads of technical problems to overcome," Jones said. GB4RME will operate on SSB, CW, digital modes, and satellite. QSL via GW0ANA with SAE. Logs will be uploaded to Logbook of The World.

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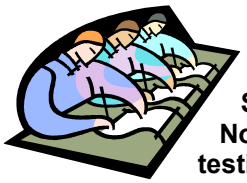

VE Testing Schedule

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)

FT8 Activity Bumping Up at Some Expense to Other Modes

Despite largely dismal HF conditions, there is no doubt that the recent FT8 digital protocol has hams on the air. The mode has caught on so quickly that co-developer Joe Taylor expressed surprise last fall at the rapid uptake of FT8 for making contacts on HF bands. Judging by Logbook of The World (LoTW) data, more than 2.3 million FT8 contacts were uploaded in 1 month -- a net gain of 1.2 million contacts on all modes over the same month last year, ARRL Radiosport Manager Norm Fusaro, W3IZ, said. Over the same period, activity in some of the other modes has declined.

"Year-to-date DXCC applications are up by 11% over the same period last year," Fusaro said. "So far, we have processed 898 Worked All States (WAS) applications -- a 72% increase over the same period last year. Of those applications, 347 -- or 39% -- were FT8 endorsements. Application for VUCC are also up by 33% over 2017."

Fusaro said that while some feel that FT8 is "taking over the world," subsuming all other modes, that's not the case. "Activity in the traditional modes of SSB and CW has decreased only slightly, by 10%," he said. "The *real* decrease is in RTTY and PSK activity and in the other *WSJT*-X modes. I believe poor propagation would have cut into SSB and CW activity, regardless of the new mode." Anecdotal reports support Fusaro's hard numbers, with wall-to-wall signals surrounding the FT8 watering holes.

Denny Berg, WB9MSM, completed DXCC on FT8.

Late last year, Denny Berg, WB9MSM, achieved his goal of completing DXCC using FT8. It took him just 4 months.

"I can tell all of you that this mode is spreading like wildfire throughout all the HF bands," Berg told *The Daily DX* at the time. He said he was able to work all states on FT8 in about 6 weeks of operating.

Taylor has characterized SSB and CW as "general-purpose modes" that are good for ragchewing, DXing, contesting, disaster communication, and other purposes. On the other hand, he has said, FT8 and the other protocols in the *WSJT-X* suite are "special-purpose modes," designed for making reliable, error-free contacts using signals that may be too weak to work using more traditional modes -- and sometimes even too far down in the noise even to hear.

Used with permission The ARRL Letter for May 17, 2018

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Annapolis Striders Cherry Pit 10 Mile Race

The annual Cherry Pit 10 mile race hosted by the Annapolis Striders took place on Sunday May 13. The runners left the starting line at South River High School at 8 AM. Rain threatened to make it a soggy event, with showers just before and after. But, the rain fortunately held off during the event.

The Anne Arundel Radio Club once again this year supported the Striders with communication from around the race course. The first and last runners were tracked. The hams kept a vigilant eye out for injuries or signs of fatigue, but fortunately there were no medical problems reported.

13 amateur radio operators took their assigned positions at various locations around the course, typically at key locations where the course made a turn or a water stop. The course was a loop run on open roads, with a two way section connecting the loop with the start/finish line at the school. 2 M simplex was used as the primary frequency, with most hams being able to communicate using handheld radios.

Bruce McPherson, AB3AC followed the last runners while bicycle mobile. **Gordon Davids, WJ3K** and **Ron Boller, N3WOF** provided and operated the APRS system that tracked the progress of the last bike. All of the other hams who participated were encouraged to bring APRS equipment to practice using it. **Rob Hurd, N3HU** provided his RV which was an excellent net control facility, and an on-site 440 repeater for back up communication. Talk in was done on the 147.105 club repeater.

The other hams who participated were

Paul Mills, KB3KWT (net control),
Erick Graves, WA3G (on site Coordinator & Director Shadow),
Robert Hurd, N3HU (net control & start/finish)

Hams at locations along the course were

Ron Boller, N3WOF,
Jim Myrik, W3JLM,
Bill Rynone, WB2EIQ,
Frank Winner, N3SEO,
Jerry Hazell, N3HKJ
Joe Dorfner, KC3KFG
Dave Belford, KC3HID
Kurt Fritsch, WA3TOY
Jamison Phipps W3KNH.

The radio team was organized by Mike Montrose, KA2JAI.

Many thanks to the team of radio operators. All got up early that morning and prepared for rain to provide support for the event. Their work provided continuous news of the progress of the event for the race officials and increased the safety for the runners.

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W1AW 2018 Spring/Summer Operating Schedule

Morning Schedule:

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

Daily Visitor Operating Hours:

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

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

Afternoon/Evening Schedule:

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

Frequencies (MHz)

CW: 1.8025 3.5815 7.0475 14.0475 18.0975 21.0675 28.0675 50.350 147.555

DIGITAL: - 3.5975 7.095 14.095 18.1025 21.095 28.095 50.350 147.555

VOICE: 1.855 3.990 7.290 14.290 18.160 21.390 28.590 50.350 147.555

Notes:

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

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

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

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

On Tuesdays and Fridays at 2230 UTC (6:30 PM ET), Keplerian Elements for active amateur satellites are sent on the regular digital frequencies.

A DX bulletin replaces or is added to the regular bulletins between 0000 UTC (8 PM ET) Thursdays and 0000 UTC (8 PM ET) Fridays.

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

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

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

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

The complete W1AW Operating Schedule may be found on page 90 in the March 2018 issue of QST or on the web at,http://www.arrl.org/w1aw-operating-schedule .

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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.

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

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

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

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

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

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

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

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

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Free Money for AARC!
ARRL Membership Reminder

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

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

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

Mark Your Calendars

REGULAR ACTIVITIES

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

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

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

2 meter Morning Commuter Net on 147.105 (Typically linked to 147.075 and 444.400) every morning 6:30 am to 9:00 am.

EVENT SCHEDULE

Saturday, June 2 8:30am
General License Class

Thursday, June 7 7:30pm
AARC - Club meeting, newcomers are always welcome.

Saturday, June 9 12:00pm
AARC - Free License Exams

Thursday, June 14 7:30pm
AARC - board meeting

Sunday, June 17 1:00pm
- Canceled - AARC - Mesh Networking group, at 1 to 4 PM at the clubhouse

Thursday, June 21 7:30pm
AARC - Club meeting, newcomers always welcome.

Friday, June 22 8:00am
Field Day 2018

Saturday, June 23 8:00am
Field Day 2018

Sunday, June 24 5:00pm
Field Day 2018

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

Repeaters and Nets

2 Meter Repeaters

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

1.25 Meter Repeaters

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

70cm Repeaters

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

Packet Stations

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

Amateur Radio nets

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

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

Anne Arundel Radio Club NEWS

May 3, 2018
Anne Arundel Radio Club
General Meeting
Meeting Minutes

Board Members in Attendance
Richard Grace KB3ZYO President
David Rawley AE5Z Vice President
Keith Miller AE3D Secretary
Justin Leishman KC3BJT Treasurer
Mark Bova W2PAW Director
Tim Nagel KB3YQK Director
Jim Wallace N3ADF Director

Agenda:
Pledge of Allegiance
Introduction
Meeting Minutes
Membership Application
Presidents Remarks
Announcements
Presentation
50/50 Drawing

President Richard Grace (KB3ZYO) called the meeting to order at 7:31 pm.

Pledge of Allegiance:

Meeting Minutes:

It was announced that the April 19, 2018 minutes as created by Secretary, Keith Miller (AE3D) have now been posted on the club's bulletin board.

Introduction:

Each person present identified themselves by call sign when possible, and included information on club positions currently held.

Applications for Membership:

Secretary, Keith Miller (AE3D) announced that the club has received application for regular membership from Mark Hall, an Extra Class Amateur from Davidsonville, Maryland.,

I move we accept applications for regular membership in the Anne Arundel Radio Club from Mark Hall (KI4Z), an Extra Class amateur and resident of Davidsonville, Maryland.

Maker: Keith Miller (AE3D)
Second: Richard Grace (KB3ZYO)
Motion passed unanimously.

President's Remarks:

President Richard Grace, KB3ZYO greeted the membership and announced that the club had now reached 211 members. .

Announcements:

Eric Berman announced the J-pole Project was progressing well and that more than half of the 20 kits have already been spoken for.

It was announced that the Shack Renovation Project is progressing well, and that wallboard is now being mudded, and sanded for future painting.

Keith Miller (AE3D) announced that testing of the newly constructed Antenna Tuners will continue this Sunday, 1:00 PM in the clubhouse.

Marty Pittinger (KB3MXM) our ARRL Section Manager was on hand for the meeting. He reported that he recently came back from Puerto Rico after working in disaster relieve. He asked how many member were involved with Echolink and how many received the Section's E-Mail Newsletter, and was pleased the AARC had such good participation levels.

Presentation:

This meetings presentation is the club's Annual Sale and Auction, and the presenter is Ike Lawton (W3IKE). A good time was had by all.

50/50 Drawing:

The 50/50 drawing was held. Pemela J. Humbert (KB3SWS) of India Head, MD was the winner. She was a paid guest at our Club Sale and Auction, and did purchase at least one item.

Adjournment:

Meeting adjourned by the President, Richard Grace, (KB3ZYO) at 8:51 PM.

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May 17, 2018
Anne Arundel Radio Club
General Meeting
Meeting Minutes

Board Members in Attendance
Richard Grace KB3ZYO President
David Rawley AE5Z Vice President
Keith Miller AE3D Secretary
Justin Leishman KC3BJT Treasurer
Mark Bova W2PAW Director
Tim Nagel KB3YQK Director
Jim Wallace N3ADF Director

Agenda:
Pledge of Allegiance
Introduction
Meeting Minutes
Membership Application
Presidents Remarks
Announcements
Presentation
50/50 Drawing

President Richard Grace (KB3ZYO) called the meeting to order at 7:30 pm.

Pledge of Allegiance:

Meeting Minutes:

It was announced that the May 3, 2018 minutes as created by Secretary, Keith Miller (AE3D) have now been posted on the club's bulletin board.

Introduction:

Each person present identified themselves by call sign when possible, and included information on club positions currently held.

Applications for Membership:

Secretary, Keith Miller (AE3D) announced that the club has received 5 applications for regular membership, all of whom passed their Technicians exams last Saturday, May 12, 2018. They are William Witt (KC3LKV) from Crofton, Maryland; David Arnett (KC3LKW) from Lothian, Maryland; Eric Reinbold (KC3LKX) of Abingdon, Maryland and who is a member of the current AARC General License Class; plus, William Turner (KC3LKY) from Glen Burnie, Maryland; and Kevin Young (KC3LKZ and soon to be WA3YLO) of Bowie, Maryland. Further the club received a 6th application from Bill Ryan (K3WDR) from Deale, Maryland. Bill made application for regular membership then submitted dues in the amount for a family membership. While the club is still sorting out the details he can be vote into regular membership at this meeting.

I move we accept applications for regular membership in the Anne Arundel Radio Club from Bill Ryan (K3WDR) a General Class License holder from Deale, Maryland, and from the following five Technician Class Licensee holders, William Witt (KC3LKV) from Crofton, Maryland; David Arnett (KC3LKW) from Lothian, Maryland; Eric Reinbold (KC3LKX) of Abingdon, Maryland, William Turner (KC3LKY) from Glen Burnie, Maryland; and Kevin Young (KC3LKZ) from Bowie, Maryland.

Maker: Keith Miller (AE3D)
Second: Richard Grace (KB3ZYO)
Motion passed unanimously.

This brings the club to 220 members. At the current rate of growth, and considering we plan a technician class in the fall, we may easily exceed 250 members by year's end.

President's Remarks:

President Richard Grace, KB3ZYO greeted the membership

Tower Maintenance:

At the May 10th Board Meeting the Board voted to recommend the following motion to the membership. This motion recommends we accept a tower maintenance contract essentially identical to the one approved for the most recent tower maintenance several years ago. Last time we approved a bid from Teltronics not to exceed $5200. On that occasion the final bill came to less than $2000. The membership should note that, before we authorize Teltronics to proceed we will need to complete an inspection of the 2 meter antenna currently in use. This will allow us to determine if the antenna needs replacement at the same time as the maintenance is due, and give us time to receive a replacement antenna if needed before proceeding. So though this motion would approve the Board going forward with the maintenance work, it does not mandate any particular timetable.

Move we recommend that the membership approve accepting the contract for tower maintenance offered by Teltronics not to exceed $5200.

Maker: David Rawley (AE5Z)
Second: Rick Steer (AB3XJ)
The motion pssed unan

Announcements:

Eric Berman announced the J-pole Project was progressing well and that most of the 20 kits have already been spoken for.

It was announced that the Shack Renovation Project is progressing well, and that wallboard is has now been mudded and is in process of final sanding. Painting is next.

Keith Miller (AE3D) announced that the Antenna Tuners Group will meet again this Sunday, 1:00 PM in the clubhouse. Currently 8 of the 10 tuners work properly and the feedline length's have now been calculated. We are waiting for the rain to stop before we start assembling and labeling the various feed lines.

It was announced that Holly Bevin (N1MB) now a Silent Key will be interred in the Columbarium at Arlington National Cemetery at 1:00 pm, tomorrow, May 18, 2018. Those who plan to attend should plan to arrive at the Cemetery at noon.

Presentation:

This meetings presentation was given by Rich Grace (KB3ZYO), in his position as Field Day Chairman. Rich filled the remaining positions as Rig Chairman, and Shelter Chairman during this presentation.

50/50 Drawing:

The 50/50 drawing was held. The winner was Bruce Strackbein (WR3Q).

Adjournment:

Meeting adjourned by the President, Richard Grace, (KB3ZYO) at 8;45 PM.

ARRL White Paper Provides Context for Recommended Governance Changes

ARRL has released a white paper that provides some context to explain proposed alterations to the *Articles Of Association* and *By-Laws* that the Executive Committee (EC) of the Board of Directors recommended for full Board passage at its April 21 meeting. Study continues of the so-called "Code of Conduct" for Board members, known officially as the *ARRL Policy on Board Governance and Conduct of Members of the Board of Directors and Vice Directors*, with changes to be recommended for later Board consideration.

At its January meeting, the Board pledged to provide the membership with the rationale and purpose behind proposed changes to the *Articles* and *By-Laws* that it had adopted last July. In April, the EC recommended minor revisions to two new amendments to ARRL's *Articles of Association* and one change to its *By-Laws* for Board approval at its July 2018 meeting. In all, four changes are being proposed.

Articles of Association* and *By-Laws

One proposed change involves the wording of the *Articles* that address indemnification and personal liability of ARRL Directors, Vice Directors, and officers. Although the Board had adopted new Articles 15 and 16 at its July 2017 meeting, ARRL's Connecticut counsel recommended two revisions, requiring Board approval, to make the wording of those changed sections consistent with Connecticut state statutes.

Article 15 addresses personal liability of Directors, Vice Directors, and volunteer and staff officers for damages due to a breach of duty in their respective roles, provided the breach did not involve a "knowing and culpable" violation of law, improper personal economic gain, a lack of good faith, and conscious disregard or sustained and unexcused pattern of inattention amounting to abdication of duty.

Article 16 would provide indemnification of Directors, Vice Directors, and volunteer and staff officers for any monetary judgement based on any actions taken or any failure to take action, except under the circumstances listed in Article 15.

A change to the wording of Article 1 would add "ARRL, the national association for Amateur Radio" as an informal name for the organization, in addition to "American Radio Relay League, Inc." This adds the informal name of the organization to the formal name spelled out in Article 1 to indicate that either rendering is a proper description of the organization.

A clarification of the Directors/Vice Directors election cycle spelled out in By-Law 23 also was required. This involved only a wording change to include the correct years involved.

The minutes of the April 21 ARRL Executive Committee meeting include the specific wording of the proposed changes.

"Code of Conduct"

The Board made two specific edits to the "Code of Conduct" at its January meeting and directed the EC to review the remaining provisions with the intention of presenting those to the full Board. The EC began this process at its April meeting, considering a simplified version of a document recommended by the National Council of Nonprofits but realized it would take longer than anticipated to complete this review and present its findings to the Board and the membership. The EC expects to have a discussion and a proposal for the Board's consideration later this year.

Used with permission The ARRL Letter for May 24, 2018

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Annual Armed Forces Day Crossband Communication Test Set, Saturday, May 12

The Military Auxiliary Radio System (MARS) will sponsor the traditional military/Amateur Radio communication tests to mark the 67th annual Armed Forces Day (AFD) on Saturday, May 12. Armed Forces Day is May 19, but the AFD Crossband Military-Amateur Radio event traditionally takes place 1 week earlier in order to avoid conflicting with Hamvention. Complete information, including military stations, modes, and frequencies, is available on the US Army MARS website.

The annual celebration is a unique opportunity to test two-way communication between radio amateurs and military stations (authorized under §97.111 of the Amateur Service rules). It features traditional military-to-amateur crossband SSB voice, CW, practice using legacy interoperability waveforms, and the opportunity for participating hams to utilize more modern military modes, such as MIL-STD Serial PSK and Automatic Link Establishment (ALE). Military stations and Amateur Radio stations are authorized to communicate directly on certain 60-meter interoperability channels.

These tests give Amateur Radio operators and shortwave listeners (SWLs) a chance and a challenge to demonstrate individual technical skills in a tightly controlled exercise scenario and to receive recognition from the appropriate military radio station. QSL cards will be available for stations successfully contacting participating military stations.

Military stations will transmit (USB, unless otherwise noted on the schedule) on selected military frequencies and will announce the specific amateur frequencies they are monitoring. MARS stressed that frequencies used for the test will not impact any public or private communications and will not stray outside the confines of the exercise.

An Armed Forces Day test message will be transmitted utilizing the Military Standard (MIL-STD) Serial PSK waveform (M110) followed by MIL-STD Wide Shift FSK (850 Hz RTTY), as described in MIL-STD 188-110A/B. Technical information regarding these waveforms is available. The AFD test message will also be sent at 0300 UTC in CW.

Those who want a QSL should complete the request form on the MARS website.

Used with permission The ARRL Letter for May 3, 2018

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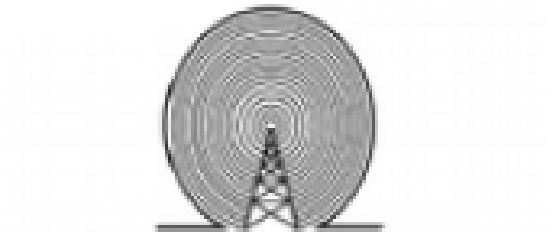
AARC Two-Meter Net Controller Schedule — 2018



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

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

REPEATER FREQUENCIES

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

PL: 107.2 for all repeaters

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

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

Wednesday Night Talk Net -- All are welcome

8PM, On the AARC Repeater 147.105

Other Amateur Radio nets

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

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 Code