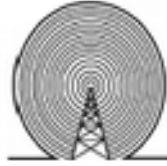


THE HAM ARUNDEL NEWS



Providing Fellowship and Community Service through Amateur Radio Since 1951

May 2016

38th Year of Publication

The Prez Sez...



It's been said that with knowledge comes understanding. Well, not always for yours truly...

I just finished taking the Extra class taught by Rol Anders, K3RA, at the National Electronics Museum. For several weeks I spent three hours every Tuesday evening along with close to 20 other hams and gained a lot of knowledge.

Thanks to Rol, I also started down the long path to understanding. That journey might take a while, but he certainly got me headed in the right direction. The Extra exam covers a lot of material, much of which we've seen in the General exam, but in much more depth. But that depth also leads to a greater understanding of that material and I had more than a few moments when things kind of clicked into place. This past Tuesday, I took the test and passed, thanks in large part to Rol and a few others that gave freely of their time to share their knowledge.

My son has studied karate since he was in elementary school, and is now a black belt and part time instructor at a local studio. When I congratulated him upon earning his black belt several years ago, I told him I was proud of him becoming an expert in the martial arts. He was quick to tell me that a black belt indicated mastery of the basics. As impressed as I was, he made it clear that becoming a true master was a lifelong process where there was always more to learn as well as sharing what you'd learned with others.

For me, at least, achieving my Extra is much the same. As far as amateurs go, it's the highest level of licensing you can earn these days. It requires you to gain a fair amount of knowledge to pass the test. But true mastery and understanding doesn't end with the test, that's where it starts. I'll probably spend quite some time going back over various topics in the book as time permits to try and gain a real understanding of them so I can put this newfound knowledge to good use.

I'll probably never truly understand all of it, I'd guess there are few, if any, that do. But even though you really only need to gain the knowledge to pass the test, I'd encourage you to pursue understanding as well. Regardless of your license class, pick a few technical topics and work to understand them as best you can. It really adds another dimension to the hobby, makes it a richer experience, when you really understand why that antenna you built works like it does or why those various knobs on your rig actually help those DX stations come through.

Let's face it, radio is a technical hobby. And while you don't need a degree in electrical engineering to participate, some level of technical knowledge is within everyone's grasp. Nobody should ever think they're not smart enough to advance past Technician, or that they can't possibly understand this stuff with only a high school education. If you have the desire, you WILL gain knowledge and understanding. And you should know by now that one of the greatest things about this hobby is people's willingness to share their knowledge and experience. You shouldn't feel like you need to understand everything, but I truly believe that you will find this hobby more rewarding if you take the time to understand some of the underpinnings that make what we do possible.

So pull out the book from your last license class, flip through it and find a topic or two that interests you. Go back over those sections, try the questions, and take some notes to help fix that knowledge in those brain cells. Ask other club members if something isn't clear. I guarantee that you will have some of those moments when things click into place – and we all know how rewarding those can be. If you're a Tech or General, sign up for a class and take that next exam. AARC offers a few Tech and General classes throughout the year, and the next Extra class with Rol will start up sometime after Labor Day.

And most importantly, as you gain this new understanding, share it with others. As my son explained to me, you don't just earn a black belt for yourself, you earn it so you can gain the knowledge and understanding and teach others. So it is with what we learn as we take part in this rewarding hobby.

Ecuador Earthquake

Terry (KB3CWQ) and Barb (KB3LDM) Nixon asked a very important question. They asked, "I was wondering if anyone has been or has tried to contact Jennifer Creager? I know that the house was south of the epicenter but on the coast. Hope she is unhurt and did not have a lot of damage to her house."

CCN Headline read:

"Ecuador earthquake: Death toll jumps to 272; more than 2,500 injured"

"The hardest-hit area was the coastal Manabi Province, where about 200 people died, said Ricardo Peñaherrera of Ecuador's national emergency management office. The cities of Manta, Portoviejo and Pedernales, a tourist destination, saw the most devastation but damage was widespread throughout the country."

Chuck Tanner (K3ACT) wrote back and provided this information from Jennifer Creager:

Hi Chuck,

Thanks so much for asking -- please let folks know that I am in CA visiting Cody right now so I was not in Ecuador for the earthquake, thank goodness! My province Manabi was hit badly. Power is out in most places, and most of the deaths reported so far are in the two larger towns near me, Portoviejo and Manta. I haven't gotten through to any of my friends in Ecuador so I only have internet reports to go on, but I heard second hand that the houses on my street are still standing. I don't know when I'll find out more, but I'm ok, just worried sick about how things are going in Ecuador. Jenn's email is jenncreager@comcast.net.

Thanks to Terry and Barb for the question and to Chuck for contacting Jenn and giving us the answer.

AA

EchoLink VoIP Service Proving Valuable With Ecuador Earthquake

What you see on the news is only the tip of the iceberg of what really happened as a result of the

devastating April 16 earthquake in Ecuador, Michigan physician Rick Dorsch, NE8Z/HC1MD, told ARRL. Since the 7.8 magnitude quake hit while most people were at home finishing dinner, "thousands of people" remain buried in the rubble of collapsed buildings, he said,



although some have been found alive. Dorsch and his wife Maria, HC1MM, also a physician, have been helping to handle health-and-welfare traffic

via [EchoLink](#), which is connected to the Ecuadorean interlaced national 2 meter repeater network.

"EchoLink is actually a fantastic Amateur Radio service," Dorsch told ARRL. "It has become extremely useful for the hams there to reach out to the outside world

The destroyed home of well-known DXer Lilian de Ayala, HC4L. [Courtesy of Rick Dorsch, NE8Z/HC1MD]

via 2 meters." (Other reports have indicated that some [EchoLink](#) nodes have been shut down to save power.)

HF also is playing a role, and radio amateurs have been asked to give 7.060 MHz (LSB) a wide berth while the Cadena HC Net handles emergency traffic. Dorsch said some problems have cropped up from DX pileups that have overlapped the net's frequency.

Dorsch pointed out that while most of the damage was in the HC4 areas of Manabí and Esmeraldas provinces and the HC2 area of Guayas Province, what's *not* seen from the outside is the heavy damage to surrounding small fishing villages and colonial towns that were leveled. Fortunately the Portoviejo Radio Club was undamaged, and members have been operating from there. Dorsch said that electrical power is starting to return, and the cellular network is still "iffy," but the Quito Radio Club is providing battery-powered cellphone charging stations.

A lot of health-and-welfare traffic is headed not only between Ecuador and the US but to Spain, Chile, and elsewhere, he reported. Dorsch said more bilingual Spanish-English speakers are needed on the HC1BG-R [EchoLink](#) channel.

While power has been knocked out over much of



the affected region, Dorsch said, he's witnessing hams all over Ecuador operating from mobile stations, portable stations, and, in some cases, from home. "All of the Ecuadorean radio clubs have been on high alert and are helping in search-and-rescue efforts," he said. "Ham radio at its best!"

Lilian "Mami" de Ayala, HC4L. [Courtesy of Rick Dorsch, NE8Z/HC1MD]

On a more positive note, Dorsch said that noted DXer Lilian "Mami" de Ayala, HC4L, barely escaped death or serious injury when her home collapsed. The 85-year-old, who lives in Portoviejo, was in her radio room seconds before the earthquake hit. "Her granddaughter had come over to visit, so Lilian went into another part of the house," Dorsch said. Her radio room and home were destroyed, and her next-door neighbor was among the casualties.

"She's still in shock and can't believe she's alive," Dorsch told ARRL. Local hams have removed her personal effects and ham radio gear to a safe location.

For more than 40 years, de Ayala had been a regular check-in on the Cadena HC Net on 40 meters. "It's ironic that the one person who lost all of her radio equipment was the one who organized radio emergency services for so many years," Dorsch said. Her tower and antennas survived, because they were mounted on the roof of her son's home next door. -- *Thanks also to Ramón Santoyo, XE1KK, IARU Region 2 Vice President*

(Used with permission The ARRL Letter Apr 21, 2016)

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:

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Post Office Box 308
Davidsonville, MD 21035

Meetings:

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

Dues:

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

World Wide Web: www.w3vpr.org

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

~~~~~  
**Free Money for AARC!**  
**ARRL Membership Reminder**

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

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

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



## Mark Your Calendars

### REGULAR ACTIVITIES

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

**Free License Exams** every 2nd Saturday of the Month - Check in at Noon, Exams at 1PM - At the clubhouse - Contact Steve/K3BAY [k3bay@w3vpr.org](mailto: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 to 9 AM or so. This is the famous Holly-net. Pre-Holly-net starts at 5 AM or so.

**Mesh working group** 1 to 4 PM Every 2nd Sunday at the clubhouse, Contact Giff/K1GAH - Broadband HamNet a/k/a HSMM

**Kit-building, troubleshooting and repair** 1 to 4 PM Every 4th Sunday at the clubhouse Contact Raven/KB3MUV

### EVENT SCHEDULE

*04may16 (Wed) - 7:00 pm setting up for the auction*

*05may16 (Thu) - Club meeting at 7:30 PM, newcomers always welcome. Tonight: Auction of donated equipment, by Ike/W3IKE.*

*07may16 (Sat) - 8:00 am [FCC General License Class](#)*

## New and Upgraded Hams at AARC

Congratulations are to be given to this list of new and upgraded hams. This is the first step on an exciting adventure that can literally reach the stars, or may save someone's life. Welcome to all the new communicators and the AARC is ready and willing to help in your next steps. However, All you have to do in to ask and help will be at hand. Try us out.

### Spring 2016 Class

KC3GWZ - Lee Brittingham - Tech  
KC3GXD - Alexandra Butcher - Tech  
KC3GXE - Steve Mlynarski - Tech  
KC3GXF - Wayne Harlow - Tech  
KC3GXC - Everett Cary - Tech  
KC3GXB - Bryce Cary - Tech  
KC3GXA - Jen Hagen - Tech

### Fall 2015 Class

KC3FYT - Jerry Francis - General (got his general April 9th)  
KC3GGS - Doug Anderson - Tech  
KC3GVD - Eric Berman - Tech  
KC3LAG - Robert Romberger -Tech

### Spring 2015

KC3COD - Bennett Palmer - Extra  
W3JLM - James Myrick - Extra

N3EGU - Larry Booth - Extra

KC3EUD - Anthony Capino - General  
KC3DVT - Mark Besman - General  
N3TJY - Mark Daucher - General

N3EGU - Larry Booth - Extra

KC3EUD - Anthony Capino - General (Spring 2015)  
KC3ENP - Robert Lohe - General (Took both exams at once)

KC3EUE - Aram WEbb - Tech  
KC3EUA - Pat Bartolillo - Tech  
KC3EUF - Jerry Mahone - Tech  
KC3EYQ - Andrew Johnson - Tech  
KC3ETZ - Michael Kleinfelder - Tech (took Gen Class also)

This spring we had a father son teams the Cary's become licensed. We also licensed both members of an engaged couple, Alexandra Butcher and Steve Mlynarski. Mike is coming back for the General Class tomorrow. We'll teach him, and hopefully he'll teach her. Her work schedule won't fit the class this time around

**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](mailto:k3bay@w3vpr.org).

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## I'm EXTRA Ignorant

By Dan Romanchik, KB6NU

On Sunday, I received the following e-mail from a reader:

"Just wanted to let you know I passed the General exam using your study guide. It was very helpful. I am now generally ignorant whereas before I was only technically ignorant. Ha!"

My reply to him was:

"Well, if you're generally ignorant, I guess that makes me EXTRA ignorant!"



This isn't just a joke--being ignorant is part of the hobby. Amateur radio operators will always be ignorant about something or other. Even if you could master every facet of the hobby at some point in time, your mastery would be short-lived as the technology continued to advance.

Over the course of my amateur radio career, we've gone from equipment that primarily used vacuum tubes, to solid-state gear that first used discrete transistors and then integrated circuits, to software-defined radios. I could have, at some point, simply given up on the new technology and still enjoyed amateur radio. Some guys do that, and that's OK. It is only a hobby after all.

I'm not one of those guys, though, and if you're not one of those guys, then you have to resign yourself to being ignorant. But, that's a good thing, as long as you realize that you're ignorant. Realizing that you're ignorant will spur you on to learn new things and accept new challenges.

Recently, I realized that I'm mostly ignorant about satellite operation. I know some of the basics from having read articles and writing about the topic in my study guides, but I have never made a contact using a satellite. I think that might be one of my next challenges. With the advent of CubeSat, there are many new satellites up in the air and many more opportunities to have interesting contacts.

So, what are you ignorant about? By that I mean, of course, what's going to be your next challenge in amateur radio?

Dan, KB6NU

When he's not challenging himself with new things, Dan falls back on something he knows pretty well--operating CW. You'll find him mainly on the 80m, 40m, and 30m bands. Dan is the author of the "No Nonsense" amateur radio license study guides, and blogs about amateur radio at KB6NU.Com, and you can contact him by e-mailing [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).

**AARC is a 501(c)(3) Organization and relies on your support. Please consider making a tax deductible donation.**



## W1AW 2016 Spring/Summer Operating Schedule

### Morning Schedule:

| Time<br>-----      | Mode<br>----- | Days<br>----- |
|--------------------|---------------|---------------|
| 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 147.555

**DIGITAL:** - 3.5975 7.095 14.095 18.1025 21.095  
28.095 147.555

**VOICE:** 1.855 3.990 7.290 14.290 18.160 21.390  
28.590 147.555

### 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](mailto: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 103 in the April 2016 issue of QST or on the web at <http://www.arrl.org/w1aw-operating-schedule>.

(Used with Permission ARRL Bulletin 11, March 14, 2016)



## REPEATER FREQUENCIES

|                      |                     |                    |                  |
|----------------------|---------------------|--------------------|------------------|
| <b>Davidsonville</b> | <b>Millersville</b> | <b>Glen Burnie</b> | <b>Annapolis</b> |
| <b>147.105+</b>      |                     | <b>147.075+</b>    |                  |
| <b>223.880-</b>      | <b>224.560-</b>     |                    |                  |
| <b>444.400+</b>      |                     |                    | <b>442.300+</b>  |

**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          |
|------------------------------|---------------------------|------------|---------------|
| Morning Commuter Net         | 147.105+      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          |

## Local Hamfests

The Greater Hagerstown Hamfest

Date: Saturday, May 7, 2016

Location: Washington County Agriculture Center  
MD Route 65 South, Sharpsburg Pike  
Hagerstown, MD

Website:

<http://www.w3cwc.org/Menu/Hagerstown-Hamfest>

Sponsor: Antietam Radio Association

Type: ARRL Hamfest

Talk-In: 147.09 (PL 100) & 146.94 backup

Public Contact: Brian Umbrell, W3PDW

235 East King Street

Chambersburg, PA 17201

Phone: 717-264-6403

E-mail: [sw3pdw@earthlink.net](mailto:sw3pdw@earthlink.net)

## MEMORIAL DAY HAMFEST

Date: Sunday, May 29, 2014

Location: Howard County Fairgrounds  
2210 Fairgrounds Road  
West Friendship, MD 21794

Website: <http://www.marylandfm.org>

Sponsor: Maryland FM Association

Talk-In: 146.76, 224.76, 444.0 (PL 107.2)

Public Contact: John Elgin, WA3MNN

518 Copley Lane

Silver Spring, MD 20904

Phone: 301-641-5313

Email: [marylandfm@verizon.net](mailto:marylandfm@verizon.net)

## ARRL Establishes "Youth Nets" Web Page

The new "[Youth Nets](#)" page on the ARRL website is designed to serve as a clearing house for information about Amateur Radio nets aimed at youth participation. During those dry spells between bigger operating events such as School Club Roundup, Kids Day, and Field Day, regular participation in a net helps to develop operating skills and confidence, and it builds connections within the community of young hams. A few nets are already listed, but ARRL invites any nets aimed at young radio amateurs to post and share their information on the ARRL "Youth Nets" web page.

(Used with permission ARRL News Apr 1, 2016)

## Three ESA "Fly Your Satellite!" Program CubeSats Now in Orbit and Transmitting



Three student-built CubeSats -- including the first to carry a D-STAR (Digital Smart Technologies for Amateur Radio) Amateur Radio payload into space -- now are successfully in orbit

following an April 25 launch from Guiana. Signals from all three have been received on Earth. [OUFTI-1](#) (Orbital Utility For Telecommunication Innovations), constructed by students at the University of Liege in Belgium (ULg), carries the D-STAR payload. The other two CubeSats -- [e-st@r-II](#) and [AAUSAT4](#) -- are from Italy and Denmark, respectively. The three CubeSats were developed by student teams under the European Space Agency (ESA) Education Office "Fly Your Satellite!" program, which is aimed at training the next generation of aerospace professionals. The first three radio amateurs to send a recorded signal from OUFTI-1, AAUSAT4, or e-st@r-II will receive a prize from ESA's Education Office. Visit the ESA website for [details](#) (Used with permission The ARRL Letter Apr. 28, 2016)

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## ARRL School Club Roundup Results Posted

The [results](#) are in for the February 2016 ARRL [School Club Roundup](#). Turnout for the winter event was very good, especially by college-level clubs. There's also growing digital activity.

Topping the Elementary/Primary School field was the Dresden Elementary Amateur Radio Station (DEARS) team at KD8NOM. The Ohio school racked up 102,828 points, mostly on SSB but with a handful of CW/digital contacts.

The Schofield Middle School Radio Club, operating N4SMS, had the top score in the Middle/Intermediate/Junior High School category. The South Carolina school ran up 428,808 points in an all-SSB effort that included contacts with 49 states.

In the Senior High School category, the Tiger Radio Club, KF5CRF, of the Mangum, Oklahoma, Public Schools, took 1st place with 268,793 points.

Texas A&M University had the top score in the College/University category, achieving 428,544 points from W5AC. The team had 1016 contacts, 50 of them on CW or digital modes.

Besting the field in the Club/Multi-Op category (W/VE) was the Duluth Children's Museum's N0DCM, with 34,572 points, mostly from phone contacts but with 59 CW/digital QSOs as well.

Congratulations to all! See the [complete results](#). --  
*Thanks to Ward Silver, N0AX*  
(Used with permission The ARRL Letter Apr 14, 2016)

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**KF5CRF sponsor Clifton Harper, KE5YZB, mentors students in the Mangum Public Schools, where he teaches a World Communications class.**

## AARC STAFF – 2016

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\*\*\*\*\*



### VE Testing Schedule

**Second Saturday of each month –**  
**Noon –** AARC – Steve Kelly / K3BAY 410-975-6246  
k3bay@comcast.net

**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](http://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)**







## ARRL-Sponsored Forums at 2016 Dayton Hamvention®

### Friday May 20, 2016

10:30 AM-11:30 AM — Room 5

The ARRL Laboratory — Behind the Scenes!

Presenter: Bob Allison, WB1GCM, ARRL Assistant Lab Manager

ARRL members who are familiar with the monthly column QST Product Review have some idea of the work supported by the ARRL Laboratory. But did you know the Lab has an answer man, Zack Lau, W1VT, who runs the ARRL Technical Information Service? He provides the answers to members who call or write to the Lab for help. Did you know the Lab has an RFI expert? Mike Gruber, W1MG helps members experiencing RFI problems. Who is the watchdog against spectrum encroachment from consumer devices? Lab Manager Ed Hare, W1RFI, is a prominent board member serving on several industry standards committees. He also won the BPL battle for all of us. Come hear about how the ARRL Lab supports members and the entire Amateur Radio Service!

2:30 PM-3:45 PM — Room 2

Ham Radio and the Law: Antenna Permits and Problems

Moderator: Fred Hopengarten, Esq, K1VR, Author "Antenna Zoning for the Radio Amateur"

A discussion by Amateur Radio attorneys on legal issues of interest to hams: avoiding restrictive covenants, presenting your case for a tower permit, and information on recent court rulings on PRB-1. Updates on proposed legislation to protect hams living under homeowner association restrictions. Speakers:

Bob Famiglio, Esq, K3RF, ARRL Atlantic Division Vice Director and a Volunteer Counsel: The concept of Viewshed, and how to present it favorably

Jim O'Connell, Esq, W9WU, ARRL Volunteer Counsel: Buying a house

Kevin Kaufhold, Esq, W9GKA, ARRL Volunteer Counsel: Case study for PRB-1

Dan Henderson, N1ND, ARRL Regulatory Information Manager: Update on the Amateur Radio Parity Act

### Saturday May 21, 2016

9:15 AM-11:00 AM — Room 5

ARRL National Parks on the Air

Presenters: Sean Kutzko, KX9X, ARRL Media and Public Relations Manager, and Norm Fusaro, W3IZ, ARRL Assistant Field Services and Radiosport Manager

An update on ARRL's year-long on-the-air event, celebrating the 100th Anniversary of the National Park Service. Get tips for activating and chasing the more than

400 National Park Service administrative units, and learn about some of America's finest natural and historic landmarks along the way.

1:45 PM-3:00 PM — Room 5

ARRL Member Forum

Moderator: Dale Williams, WA8EFK, ARRL Great Lakes Division Director

ARRL is the national association for Amateur Radio in the US. ARRL members help advance the art, science, and enjoyment of Amateur Radio. ARRL publishes the popular monthly journal QST, coordinates an extensive all-volunteer field organization, and serves members as Amateur Radio's representative voice in regulatory and legislative matters. Hear from local and national ARRL officials on key areas of membership interest. Find out how ARRL supports dozens of ways to get involved, get active, and get on the air. Members and prospective members are all welcome!

### Sunday May 22, 2016

9:15 AM-10:15 AM — Room 2

Maximizing Your ARRL Field Day Effort

ARRL Field Day 2016, Amateur Radio's most popular on-the-air event, is June 25-26. Hear from a panel of experienced participants who will cover the educational, operating, and public relations objectives of a successful and FUN Field Day! Panel:

Dan Henderson, N1ND, ARRL Regulatory Information Manager: How to maximize your Fun for Field Day

Mike Corey, K11U, ARRL Emergency Preparedness Manager: Having a Safe Field Day

Scott Westerman, W9WSW, ARRL Public Relations Committee Chair: Get a boost from using Social Media to promote your Field Day activation.

9:15 AM-10:15 AM — Room 1

Amateur Radio Disaster and Emergency Communications Panel

Moderator: Mike Corey, K11U, ARRL Emergency Preparedness Manager

Hear from representatives of Amateur Radio's largest organizations which are active during times of disaster and emergency. Speakers:

Rob Macedo, KD1CY, VOIP WX Net and VOIP Hurricane Net

Julio Ripoll, WD4R, Amateur Radio at the National Hurricane Center, WX4NHC

Paul English, WD8DBY, US Army MARS

David Stapchuk, KD9DXM, US Air Force MARS

Bobby Graves, KB5HAV, Hurricane Watch Net

Bill Feist, WB8BZH, SATERN

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