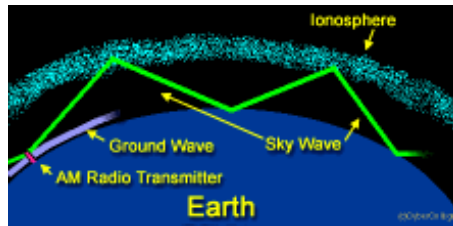


# The Hertzian Herald



June 2018 • Volume 42, Issue 6 • Monroe, Michigan, U.S.A. • [www.mcrca.org](http://www.mcrca.org)

## N8DXR's Ground Waves



We are one week out from our annual MCRCA Hamfest at the Monroe County Fair Grounds and two weeks out from the ARRL Field Day event at Vienna Park. Risking a peek at the weather forecast for the coming weekend it looks like we are in store for a sunny and pleasantly warm hamfest. Since we will not have a meeting before the hamfest lets go over a few items.

Setup for the hamfest starts on Saturday morning and usually is completed in time for lunch. On Sunday people working at the hamfest should try to be on the grounds by 6:15 AM, especially those who are going to be selling tickets at the gate. We will be trying to open the gates at 6:30 AM, if not a little earlier, to get the trunk sales people in as quickly as possible. The period between 6:30 and 10:00 has proven to be the busiest time at the gates and that is when the most people are needed. If you can't make it for the early start please come later so that those who start early can be relieved. And of course there are other jobs that have to be filled so we need as many people as possible to make this another successful hamfest.

Preparation for field day starts around 9:00 AM so that we can be on the air by 2:00PM. There are antennas, radios, computers, tents and power supplies to be set up so there is plenty of work to be done before we get on the air. In late afternoon we take a break to gather together to have something to eat. The club supplies the basics such as the meat, things that go with it and of course a variety of beverages. Everyone is asked to please bring a dish to pass. The event continues all night and winds up at 2:00PM Sunday. Tear down and cleanup of the site is usually finished by 3:00. If you can't be there all night please try to come back on Sunday morning to give a hand with tear down and cleanup.

Please note that the MCRCA Hamfest is our biggest event of the year. It has been shown that the more club members that participate the more successful we are in making sure that the guests and vendors, who are our customers, have a good experience at the event.

Hoping to see you at the hamfest, on the air and at our meetings

73 - John N8DXR

### Club Officers

#### PRESIDENT

John Copeland N8DXR  
[jcn8dxr@gmail.com](mailto:jcn8dxr@gmail.com)

#### VICE PRESIDENT

Glen Ohlemacher K8GO  
[goglen@gmail.com](mailto:goglen@gmail.com)

#### SECRETARY

Fred VanDaele KA8EBI  
[ka8ebi@yahoo.com](mailto:ka8ebi@yahoo.com)

#### TREASURER

Brenda VanDaele KB8KQC  
[ka8ebi@yahoo.com](mailto:ka8ebi@yahoo.com)

#### DIRECTOR

Paul Trouten W8PI  
[w8pi@arrl.net](mailto:w8pi@arrl.net)

#### DIRECTOR

Rodney Haddix KD8ZNZ  
[rodhaddix@hotmail.com](mailto:rodhaddix@hotmail.com)

#### DIRECTOR STATION TRUSTEE

Wes Busdiecker KC8SKP  
[busdiecw@netscape.net](mailto:busdiecw@netscape.net)

### Inside This Issue

Minutes . . . . .	2
. . . . .	3
80 yr old rescued...4	
. . . . .	4
17 yr old makes ICs..5	
MC ARPSC sched.5	
Dan KB6NU.....6	
ARRL DX . . . . .	7

## MCRCA Minutes:

**May 17, 2018**

Meeting called to order at 7:33 pm, by Mike Karmol N8KUF

Pledge of Allegiance

Introductions: No new members, upgrades or guests.

PROGRAM: None everyone went to Dayton

DOOR PRIZE DRAWING: Bob AC8DZ, Sandra KE8CQW, and Neil KA8PQH

50/50: Sandra KE8CQW donated \$6 to Scholarship fund.

MINUTES: Motion by Wes KC8SKP, supported by Bob AC8DZ, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Fred KA8YXB, supported by Bob AC8DZ, to approve the treasurer's report as passed out to the membership. Approved.

DX REPORT: Mike N8KUF, pretty tough to work out there but DX can still be had.

FUTURE PROGRAMS: May Meeting, everyone will be at Dayton, also last Meeting before Hamfest.

TESTING: Next session - Sat. June 16, 2018.

ARPSC: Mike N8KUF, we are lined up to support Fermi Exercises these are evaluated by FEMA. Couple of drills before in June, real exercise will be in August. Talk to Lance KE8BYC if you want to get involved.

ARRL: Mike N8KUF, New programs and strategies planned for ARES, Dale is in Dayton talking about them.

RRRA: Mike N8KUF, Annual meeting was held in May with a reasonable turnout. Lots of good input - Digital Voice and Digital Multimedia. Upgrade for two remote sites still to be done, hospital and Lambertville.

GLHamCon: Glen K8GO - Oct 6-7, 2018

OLD BUSINESS: none

NEW BUSINESS: none

ANOUNCEMENTS: Chelsea Swap June 3rd.  
ARPSC Mtg June 7<sup>th</sup>.  
Monroe Hamfest setup June 16<sup>th</sup>. Hamfest Sunday 17<sup>th</sup>.  
Club meeting June 21  
Field Day June 23 & 24.

**Check out the new web page at [mcrca.org](http://mcrca.org)**

ADJOURNED: 8:09 pm

ATTENDANCE: 13

KA8EBI Fred	KA8PQH Neil	KA8YXB Fred
KB8KQC Brenda	KC8SKP Wes	KF8LT Jim
N8KUF Mike	N8NYP Terry	AC8DZ Bob
KE8CQW Sandra	W8GPR Gary	W8IIE Dave
KE8DDM Dalton		

## Committees

### Classes

### Club Station

Wes Busdiecker KC8SKP

### DX Net

### Field Day

Jeff Breitner KA8NCR

### Finance

Paul Trouten W8PI (chair)

Fred VanDaele KA8EBI

Dale Williams WA8EFK

### HamFest

Fred VanDaele KA8EBI

### Hertzian Herald

Fred VanDaele KA8EBI

### Historian

Paul W8PI

### Public Relations

Jeff Breitner KA8NCR

### Scholarship

Fred VanDaele KA8EBI

### School Liaison

open

### Programs

open

### Membership

open

### Planning

open

### Property Custodian

open



## Monroe Hamfest 2018

Once again, it's time for our annual Monroe Hamfest. As in years past it will again be held at the Monroe County Fairgrounds at M-50 and Raisinville Road, on Father's Day, June 17, 2018. Our next meeting is after the hamfest so this is your last notice.

Set up will begin on Saturday morning at 9 AM. The fair people are setting up and taking down the tables again this year which will greatly reduce the heavy labor of years past. We still need to label all of the tables with numbers and vendor names, align them properly and string up 4 electrical cords so the vendors in the center can have electricity. We will need to spread chairs out according to the diagram so that each vendor that wants one will get a chair or two. Dale WA8EFK, will also need help running wires and installing the PA system throughout the trunk sales area and inside the building.

Sunday morning the early workers will enter through the Raisinville Road gate. It will be opened by 6:15 AM so that we can get in place in time to start letting trunk sales people in at 6:30 AM. Building captain, trunk sale guides and ticket sellers need to be in place by 6:30 AM. **We will use 446.60 simplex during the Hamfest** but please don't announce this on the 72 repeater as the trunk sale people will harass us to no end.

After the Hamfest, about 1 PM we need people to go around and police up the area. We must clean up the fairgrounds and the building or they will charge us if they have to do it. If we get lots of help this won't take long.

**We need about 8 people to sign up for ticket sales Sunday Morning hourly from 6:30 to Noon, so people won't have to spend all day out standing in the sun. If you can help out selling tickets, please contact John Copeland N8DXR as soon as possible.**

If we get enough help and good weather we should have a pretty nice Hamfest again this year.

Fred KA8EBI, Hamfest Chairman for 23 years.

## Field Day 2018

June 23 and 24 will be Field Day weekend this year. We will once again be holding our FD at Vienna Park down in Temperance Michigan. We will use shelters B and C in the front of the park as we did last year.



Set up will begin about 9 AM on Saturday with the contest beginning at 2 PM. We will have a phone station, a CW station and a GOTA station for new hams and those who haven't been active lately in radio use. Come on out and help set up several antennas and tents on Saturday morning. Everyone is welcome to come out and operate a radio.

At about 6 PM on Saturday we usually have a pot luck dinner, with the club furnishing hamburgers, hot dogs, sausages, buns and condiments. The club will also furnish coffee and a variety of soft drinks, water and the paper ware and plastic ware. We ask that you please bring a dish to pass, a dessert or bag of chips.

Hope to see everyone out there this year.





## 80-year-old radio ham rescued from top of mast

The Martha's Vineyard Times reports an 80-year-old radio amateur had to be rescued from his 20-foot-tall (6m) backyard antenna by the Edgartown Fire Department

William Welch K1IOC, an electrician and avid amateur radio operator, got his sneaker caught atop a 20-foot-tall backyard antenna after he scaled the structure to secure it ahead of the impending nor'easter, his wife Betty told The Times.

Firefighters were dispatched at around 10:45 am to 7 Welch's Way for a report of a man trapped on a tower.

Among the first of his department on scene, Fire Chief Alex Schaeffer climbed the tower — an antenna — to assist Welch, who held on just below the apex.



Edgartown's ladder truck arrived shortly after Schaeffer, but firefighters couldn't position the ladder beneath Welch because a pitch pine was in the way. Instead, the ladder was telescoped parallel to Welch and Chief Schaeffer.

Firefighters moved back and forth over the ladder and put a helmet on Welch and fitted him with a harness. The harness was fastened to the tower, so Welch couldn't fall. Chief Schaeffer then climbed down, collected gear, and was subsequently hoisted aloft by the ladder on a rope. After being positioned adjacent to Welch, Chief Schaeffer linked a harness he wore to Welch's with carabiners. Firefighters then hoisted the two over the pitch pine and safely to the ground, where a group of firefighters and EMTs awaited.

Welch was taken into an Oak Bluffs ambulance for observation and released, his wife said. His pride is a little bruised, his wife said, but nothing else.

Read the full story at: <https://www.mvtimes.com/2018/03/12/man-rescued-atop-ham-radio-antenna/>

## 2018 Chuck DeWilde Scholarship

This year's Chuck DeWilde Scholarship winner was chosen from four applicants, two from Ida, one from Dundee and one from Monroe High School. Although all students were very high achievers we could only choose one recipient. After Board recommendations **Karlee Lambert from Ida High School**, was chosen by the club to receive the scholarship for 2018. Karlee was Student Council President and Senior Class President at Ida and is interested in pursuing Mechanical Engineering at University of Detroit Mercy.

She has been sent a letter to invite her to one of our three future events, including the hamfest, June club meeting or Field day. We hope to have a photo opportunity and be able to show her what amateur radio is all about. Hopefully we may interest her in becoming a ham.

## FIFA special event from Kosovo

Members of the Kosovo Amateur Radio Society (SHARK) will activate the special callsign, Z60FIFA, for the 2018 FIFA World Cup event between June 1st and July 15th.

QSL route TBA.

All the special event stations are listed on QRZ.com under Z60FIFA.

## 17-year-old radio ham makes own integrated circuits

The IEEE reports 17-year-old radio amateur **Sam Zeelof KD2ENL** has turned his parent's garage into a 1970s-era chip fab.

Electronics enthusiasts like being able to make things themselves. In IEEE Spectrum's Hands On column, we've detailed how readers can make their own solder reflow ovens, conductive ink, and synthetic aperture radars. But making DIY integrated circuits seemed impossibly out of reach. After all, building a modern fab is astronomically expensive: For example, in 2017 Intel announced it was investing US \$7 billion to complete a facility for making chips with 7-nanometer-scale features.

But Sam Zeelof was not deterred. This 17-year-old high school student has started making chips in his garage, albeit with technology that's a few steps back along the curve of Moore's Law.



Zeelof says he has been working on his garage fab, located in his home near Flemington, N.J., for about a year. He began thinking about how to make chips as his "way of trying to learn what's going on inside semiconductors and transistors. I started reading old books and old patents because the newer books explain processes that require very expensive equipment."

A key moment came when Zeelof found radio amateur **Jeri Ellsworth AI6TK**'s YouTube channel, where she demonstrated how she had made some home-brew silicon transistors a few years ago. "After I saw [Ellsworth's] videos I started to make a plan of how I could actually start to do this."

Read the full IEEE story at:

<https://spectrum.ieee.org/semiconductors/devices/the-high-school-student-whos-building-his-own-integrated-circuits>

Sam Zeelof KD2ENL <http://sam.zeelof.xyz/category/semiconductor/>

Jeri Ellsworth AI6TK <https://www.youtube.com/user/jeriellsworth>

## Monroe County ARPSC Training Outline

**July 5, 2018 Meeting:** CMEN Overview

**Exercise:** FERMEX PreDrills TBD

**August:** No Meeting

**Exercise:** FERMEX Date TBD

**September 6, 2018 Meeting:** Passing NTS Traffic

**Goal:** Becoming familiar with NTS traffic handling, procedures and forms.

**Sept. 8, 2018 Session:** Expanded training on NTS with exercises.

**October 4, 2018 Meeting:** Simulated Emergency Test - S.E.T.

**Goal:** Review of local State SET plans

**Oct. 6, 2018 Exercise:** State SET



## Is the internet, millennials or FT-8 killing ham radio?

May 8, 2018 by Dan KB6NU

Amateur radio bloggers love to write about the demise of amateur radio. To wit, we have:

KONR's Is the Internet destroying amateur radio?  
NOSSC's Millennials are killing ham radio  
PE4BAS' Is FT-8 damaging amateur radio?  
NZOT's Did Joe Taylor K1JT Destroy Amateur Radio?

Of course, none of these posts are really saying that the internet, millennials, or FT-8 has killed amateur radio. What they are saying is that all of these are changing amateur radio as we know it. Well, duh, the way we live our lives changes every day. Why should amateur radio be any different?

For example, Bob, KONR, discusses how the operation of remote stations is changing the game of DX. Can you really claim that you worked a DX station if you rented time on a super station? I've written about that topic, too.



There have also been much written about how FT8 is changing the amateur radio game. One blog post, talking about the effect of FT8 on 160m operation, even goes so far to say that this is the "end of an era." On DX World, the results of the poll, "FT8 - Damaging to Amateur Radio?" show more than half of the respondents think that FT8 is damaging amateur radio.

I specifically used the word "game" in the previous two paragraphs because that's exactly what's changing. The physics of amateur radio certainly isn't changing. Our transmitters are still generating electromagnetic waves like they have been for decades, and on the HF bands, anyway, those radio waves are bouncing off the ionosphere just as they have been for more than the past 100 years.

What's changing is the human component. By that I mean what's changing is how we think people should participate in the hobby. The hams that are complaining that the internet or millennials or FT8 is killing amateur radio are really just complaining that people aren't participating in amateur radio the way they want them to participate.

Here's where we talk about millennials. In his blog post, Sterling, NOSSC, suggests that setting up remote stations is one way to engage young people. He writes, "I believe that remote operating, and other internet-assisted means of ham radio operation, are critical to youth engagement."

He's also big on an idea he calls "ham radio hackathons." He writes,

A hackathon isn't a coding competition. It's explained well in this Medium article. It goes even further than that, not limited to coders and engineers, but open to thinkers, doers, philosophers, system engineers, math people, teachers, students, artists, stakeholders...anyone with an interest in solving a problem with technology.

I support both of these ideas, but I think that millennials (and, to be fair, it isn't just millennials we're talking about here, but any newcomers to the hobby) need to step up and get these things going. I don't think it's my job to try to get kids interested in amateur radio. I don't even know if that's really possible. What I can do, however, is be there to encourage and support kids (and anyone else that expresses a sincere interest in amateur radio).

For example, I'm not sure how fruitful it would be to set up my station to be remotely operable and then saying to some kids, "Hey, come and operate my station." What I think would be more fruitful is to say to a kid, "Hey, come help me set up my remote control station, so that we both can use it." Then, it turns into a learning situation, and we both gain from the exercise.

The same kind of thing has to happen with ham radio hackathons. The motivation has to come from the ground up, not the top down. I do hope that this idea gets off the ground, though, and I'm standing by, ready to support this effort however I can.

I think that millennials (I'm really getting tired of that term, by the way) need to grab the bull by the horns and take ham radio in the direction they want it to go. Feel free to kill ham radio as we know it. Make it better!





The American Radio Relay League's round-up of the forthcoming week's DX activity on the amateur radio bands

This week's bulletin was made possible with information provided by The Daily DX, the OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

**VIET NAM, 3W.** Nobu, JA0JHQ plans to be QRV as 3W9NH from Hoi An from June 14 to 18. Activity will be on the HF bands, and possibly 6 meters, using CW and FT8. This includes being an entry in the upcoming All Asian DX CW contest. QSL direct to home call.

**RWANDA, 9X.** Harald, DF2WO is now QRV as 9X2AW from Kigali. Activity is on various HF bands using slow CW, SSB and various digital modes. QSL via M00XO.

**FEDERAL REPUBLIC OF GERMANY, DA.** Special event station DK6GEO will be QRV during the Geoparks Communication Weekend from Unicorn Cave. QSL via operators' instructions.

**IRELAND, EI.** Members of the South Eastern Amateur Radio Group will be QRV as EI2GEO from the Copper Coast European Geopark during the Geoparks Communication Weekend. QSL direct to EI3HDB.

**ESTONIA, ES.** Operators Henrik, DG0LFF, Steffen, DH1DM, Fred, DH5FS and Uwe, DL3BQA will be QRV as ES0/home calls and ES0UG/8 from various islands from June 11 to 15. Their first stop will be Kihnu Island, IOTA EU-178. Activity will be on the HF bands, including 6 meters, 4 meters, 2 meters, 70 centimeters and 3 centimeters using various modes. QSL via operators' instructions.

**FRENCH POLYNESIA, FO.** Walter, HB9XBG is QRV as FO/HB9XBG from Bora Bora Island, IOTA OC-067, until June 17. Activity is on 20 meters using SSB. QSL to home call.

**ENGLAND, G.** Special event station GB6GEO will be QRV on June 9 and 10 from Kent's Cavern, Torbay, as part of the Geoparks Communication Weekend. Activity will be on 80, 40, 20, 15, 10 and 6 meters, in addition to 6 meters using SSB, and 2 meters using FM. QSL via bureau.

**AMERICAN SAMOA, KH8.** Dave, WJ2O is QRV as KH8/WJ2O until June 10. Activity is on 40 to 15 meters using CW. QSL direct to N2ZN.

**MARKET REEF, OJ0.** Pasi, OH3WS will be QRV as OJ0W while on work assignment from June 9 to 16. Activity will be in his spare time on 40 to 6 meters using CW and SSB. QSL to home call.

**BONAIRE, PJ4.** Lauren, W0LD and Jon, N0JK are QRV as PJ4/home calls until June 11. Activity is on the HF bands and 6 meters using CW, SSB and FT8. They plan to be active as PJ4V in the ARRL June VHF contest. QSL both calls via W0LD and PJ4V via M0URX.

**SAO TOME AND PRINCIPE, S9.** David, EB7DX is QRV as S9ZZ from Sao Tome Island, IOTA AF-023, until June 9. Activity is holiday style on 40 to 6 meters using CW, SSB, RTTY and FT8. QSL direct to home call.

**GREECE, SV.** Special event station J48GEO will be QRV from Lesbos Island, IOTA EU-049, from the Natural History Museum at the Lesbos Petrified Forest during the Geoparks Communication Weekend. QSL via operators' instructions.

**DODECANESE, SV5.** Marcel, OK2QQ will be QRV as SV5/OK2QQ from Kalymnos and Telendos, IOTA EU-001, from June 12 to 22. Activity will be on 40 to 2 meters using CW, SSB and FM. QSL direct to home call.

**COSTA RICA, TI.** A group of operators are QRV as TE6DX from Unita Island, IOTA NA-155, until June 11. Activity is on 160 to 6 meters using CW, SSB, RTTY and FT8. QSL via TI2CDA.

**CORSICA, TK.** Arnoud, PE2USA will be QRV as TK/PE2USA near Sari-Solenzara, IOTA EU-014, from June 10 to 15. Activity will be on 40, 20 and 10 meters, and possibly 80 meters, using SSB and RTTY. QSL via operator's instructions.

**ASIATIC RUSSIA, UA0.** Special event station R30STM is QRV until June 10 from both Tyumenskaya and Kurganskaya Oblasts to commemorate the 30th anniversary of the launching of the Soyuz TM-5 spacecraft. QSL via operators' instructions.

**MARSHALL ISLANDS, V7.** Will, KW4WZ plans to be QRV as V73/KW4WZ from Kwajalein, IOTA OC-028, until June 18. Activity is in his spare time on the HF bands using some SSB, and JT65 and FT8. QSL via LoTW.

**BERMUDA, VP9.** Kyle, WA4PGM is QRV as VP9/WA4PGM until June 16. Activity is on 160 to 6 meters using mostly CW. QSL direct to home call.

**ROMANIA, YO.** Look for special event station YP2GEO to be QRV during the Geopark Communication Weekend from Tara Hateului. QSL via operators' instructions.

**THIS WEEKEND ON THE RADIO.** The ARRL June VHF Contest, NCCC RTTY Sprint, Geoparks Communication Weekend, NCCC CW Sprint, DRCG World Wide RTTY Contest, VK Shires Contest, Asia-Pacific SSB Sprint, SKCC Weekend CW Sprintathon, Portugal Day Contest, GACW WWSA CW DX Contest, REF DDFM 6-Meter Contest and Cookie Crumble QRP Contest are all on tap for this weekend.

The 4 States QRP Group Second Sunday Sprint is scheduled for June 11.

The CWops Mini-CWT Test, RSGB 80-Meter Club CW Championship, NAQCC CW Sprint and Phone Fray are scheduled for June 13.

The ARRL International Grid Chase runs during all of 2018.

Please see June QST, page 82, and the ARRL and WA7BNM Contest Web Sites for details.

## Amateur Radio Examinations Monroe, MI

Monroe County Radio Communications Association Amateur Radio examinations are held the 3<sup>rd</sup> Saturday of every even numbered month at:

**American Red Cross Chapter Bldg.**  
1645 North Dixie Highway  
Monroe, MI 48161

Walk-ins are always welcome.

### 2018 Schedule:

February 17	April 21
June 16	August 18
October 20	December 15

### TESTING BEGINS PROMPTLY AT 9:00 AM

Applicants are expected to have all forms filled out and be ready to take tests at that time. Coffee and doughnuts are available at 8:30 AM. For more information or to make reservations, call Paul Trouten - W8PI at 734-854-2224

### Join us at the next meeting

June 21st at 7:30 pm  
American Red Cross Chapter Bldg.  
1645 North Dixie Highway  
Monroe, MI 48162

### Local Net

**ARPSC Net** - Every Monday evening on '72-Monroe (146.72 Mhz) starting at 8:00pm.

**ARPSC Meeting** first Thursday of every month at the EMD office on Raisinville Rd.. 7:00 PM