

The Hertzian Herald



June 2020 • Volume 44, Issue 6 • Monroe, Michigan, U.S.A.

Off The Kuf:

By Mike – N8KUF



Another month has come and gone, and it happened so fast I'm struggling to recall what I have accomplished during that time frame (I KNOW there must have been SOMETHING that was accomplished 8-?).

We have had a few "close calls" weather wise. More than once a string of threatening weather has taken a run at us, only to veer away or die off at the last minute hitting nearby areas pretty hard. Please tune in to the 146.72 repeater whenever severe weather threatens. There WILL come a day when the weather is not so kind to us.

Good news – Congratulations to Lance KE8BYC and the ARPSC organization for their outstanding performance in last years Simulated Emergency Test. I do not have the specifics in front of me, but Monroe County finished among the upper handful of groups throughout the nation. I hope Lance will provide specifics, but this accomplishment is something to be immensely proud of. If you have not already done so – please consider becoming a part of this top performing ARPSC organization.

Unfortunate news – your Board of Directors came together recently to discuss the fate of Monroe Field Day 2020. Without getting into all the details of reasoning – the Board decided unanimously that cancellation of this year's Field Day gathering at the park seemed prudent. The ARRL had recently announced changes in the rules to allow individuals to work the event from their home stations. When submitting their scores individuals will be able to designate the name of a radio club. In addition then to individual scores, the club will be recognized for points gained by membership. I hope many of you will take advantage of these temporary rules changes to get our club's name up in lights (so to speak). Please see info elsewhere in this issue of the Hertzian Herald for more specific instructions related to logging and submitting your activity.

I hope to see many of you for the June MCRCA meeting (via Zoom). Please remember the rules for Video Conference attendance are:

- 1: Be sure to wash your hands for 20 seconds prior to sitting down at your computer
- 2: Observe good Social Distancing practices, masks will not be required
- 3: Bring a smile (easy without the mask) and be prepared to have a good time

I'll see YOU at the meeting (via video conference) and above all –
STAY HEALTHY and STAY SAFE

Mike Karmol – N8KUF 2020 President – MCRCA

<http://mcrca.org/>

[www.facebook.com/
groups/
1643856795878368/](https://www.facebook.com/groups/1643856795878368/)

Club Officers

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MCRCA Meeting Minutes for May 21, 2020

Meeting called to order at 7:30 pm, by Mike Karmol N8KUF.

Pledge of Allegiance

Introductions: One new member, no upgrades and two guests.

MINUTES: Motion by Paul W8PI, supported by Dale WA8EFK, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Paul W8PI, supported by Wes KC8SKP, to approve the treasurer's report as passed out to the membership. Approved.

DX REPORT: Paul W8PI- 6m has been open to Central America and the Caribbean. No QSO parties coming up just a boring weekend. Last full weekend in June will be Field Day.

FUTURE PROGRAMS: Fox hunts

TESTING: Next session - Sat. June 20, 2020. **By appointment only.**

HAMFEST: It was decided that, with regard for the safety of attendees, our members, hamfest staff, and enforcing CV19 cooperation, plus the fact that some vendors and attendees would probably still not come for safety reasons, this would cut back on profits, making it impractical to continue at this time. **Canceled.**

ARPSC: Nation wide Red Cross drill coming up at the end of the month. FLDigi and WinLink

ARRL: Dale WA8EFK says not much happening, starting to spin up hurricane nets.

RRRA: Mike N8KUF May 2nd was the annual RRRA meeting via Zoom, talked about projects completed and future. Possible future digital VHF & UHF, waiting on weather.

OLD BUSINESS: Hamfest canceled at board meeting. Field Day will be discussed at the June MCRCA meeting.

NEW BUSINESS: Scholarship – 3 applicants 2 from Bedford, 1 from St Mary's. Board voted for **Natalie Drew Harper** from Bedford.

ANOUNCEMENTS: The Monroe County Red Cross is now being managed by Lucas County Ohio and others. It is unknown how this will affect using the building for meetings.

PROGRAM: A video on building a simple ground plane antenna for 2m.

ADJOURNED: 8:35 pm

ATTENDANCE: 13

K8EBI Fred	KA8NCR Jeff	KC8SKP Wes
KE8DDM Dalton	KE8KNZ Tom	N8KUF Mike
N8NYP Terry	W8IIE Dave	W8PI Paul
W8SMB Scott	WA8EFK Dale	K8UMF John
Ron Duvall		

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

Terry Kolton N8NYP
n8nyp@arrl.net

Planning

open

Property Custodian

open

MC - ARPSC

On Saturday May 30th, several members participated in the National Red Cross/ARES Simulated Emergency Test. We had several members check in from home, a few dispatches to possible shelter locations and call in SITREP's. We also checked in with Wayne and Washtenaw Counties in Michigan and Lucas and Seneca County in Ohio which is a good test now that Monroe County Red Cross is affiliated with Northwest Ohio Region of the Red Cross. The overall mission of this exercise was to prove communications between shelter locations and Red Cross chapters using emergency power. The second part of the exercise in the afternoon consisted of sending messages via the WinLink application to several clearinghouses including National Red Cross HQ. We are still waiting for final results and an After-Action Report from the organizers, but locally it gave members a chance to practice working "off grid" and passing NTS and ICS forms via voice methods.

With the lifting of the Governor's Stay at Home order and allowing a few more people to get together, the next ARPSC meeting will be Thursday July 2nd 7:30pm at the EMD if allowed, if not, we will meet in a local park for the meeting

This year, due to the weird situations we have been in and with the unfortunate cancelling of the county fair, we will have an ARPSC meeting in August on August 6th 7:30pm. Location TBD

As always, you can keep track of us via the webpage which is linked through the MCRCA Website and the Facebook page, which is also linked via the club webpage. We thank the group and the club webmaster for doing this for us!

73 until next month and Stay Safe

Lance Charter KE8BYC
Emergency Coordinator
Monroe County Amateur Radio Public Service Corp



Field Day 2020

This year MCRCA will not be operating from Vienna Park as a group due to the COVID requirements for groups. Instead the club will be asking each member that wants to operate Field Day do so from their own stations at home. You can operate from emergency power, batteries, or directly from normal power lines.

Important changes to Field Day rules include that "D" stations can work other "D" stations for points, and that individual stations using their individual call signs submit their scores separately; entries using the same club name (*make sure everyone agrees on the same exact spelling*) will be aggregated under that club's name in the results.

Most stations will use one of the standard logging programs such as N3FJP. These logging programs will allow you to use all your contact information to format your log submission in Cabrillo format. When you make your submission sheet you will be asked for a group or club name. We want you to use the following name: **Monroe County Radio Communications Association**

Be sure to use this exact name. ARRL will use this name to combine all of the separate scores into one group and provide this information under the club name when the final scores are tabulated. This is exactly the same as the Michigan QSO Party does to take each member logs and provide a club score.

The important things to remember are:

Use a logging program set up for Field Day 2020

Use the program to write your log submission in Cabrillo format

Submit your log on the ARRL Field Day website <http://field-day.arrl.org/fdentry.php>

Be sure you use Monroe County Radio Communications Association as your club/group

Normally we will find out the results published in QST November or December issue.

If anyone has questions they can get in touch with Paul Trouten W8PI.



Which Computer Engineer Is Best Known For Giving The Mother Of All Demos?

Answer: Douglas Engelbart

Computer engineer, inventor, and technology luminary Douglas Engelbart is best remembered for his work in early computing interfaces and networking technology, and there is no better moment in time to encapsulate that work than the demonstration he gave on December 9, 1968—a demonstration that would come to be known as “The Mother of All Demos”. The demonstration was a showcase of the work he and his team were doing at the Augmentation Research Center Lab in SRI International and was packed with then-experimental technologies and software that we now take for granted.

In one single demonstration, Engelbart showcased the computer mouse, hypertext linking, word processing, dynamic file linking, windows, efficient navigation and command input, graphics, collaborative real-time document editing, revision control, and video conferencing, all linked together via the oN-Line System (NLS), a complete computer hardware and software system. To be clear, Engelbart gave the demonstration *through* the NLS system with his colleagues from his research lab at Stanford, thirty miles away. Seated in front of the audience, he was able to seamlessly communicate with his colleagues back at the home lab, show off features in real time both in front of the audience (like the computer mouse), and showcase products back at the lab.

The group of approximately one thousand computer professionals in attendance were stunned by the demonstration—justifiably so as they had never seen anything like it and the individual elements of the system like video conferencing and distributed collaboration wouldn’t be widely accessible and adopted for decades to come. To put the experience into context for a modern reader, it would be as if a group of journalists showed up at a news conference today to hear about a theoretical holographic technology, and instead of seeing some slideshows and listening to an hour-long talk about how cool it would be, the presenter, in holographic form, would just stroll out onto the stage in front of them.

If you’d like to take a peek at the demo Engelbart gave, you can watch the preserved footage courtesy of the Doug Engelbart Institute on YouTube.

<https://www.youtube.com/watch?v=M5PgQS3ZBWA>

Which Computer Was The First To Come Standard With A Hard Drive?

Answer: IBM PC XT

Older geeks well remember a time when booting your entire computing experience off of a floppy disk—and not off of a permanent hard disk inside the machine—was the only option for home computer users.

All of that changed with the 1983 introduction of the IBM Personal Computer XT, IBM’s successor to their early-1980s offering, the IBM PC. The IBM PC XT offered something that no other consumer computer had ever offered before: an internal hard disk drive.

One 10 MB hard disk drive, massive and pricey for its day, came standard with every IBM PC XT. But that’s not all the \$5,000 MSRP got you though. The machine also shipped with 128 KB of RAM, a 360 KB double-sided 5-inch floppy drive, a monochromatic CRT monitor, and one of IBM’s beloved Model M mechanical keyboards.

First Wireless Telegraphy Hack

While we're used to talking about hackers in terms of current security breaches, cyber warfare, and a distinctly post 20th-century technological landscape, one of the earliest hackers was actually an early 20th-century gentleman harassing none other than Italian radio pioneer Guglielmo Marconi.

In 1903, a crowd was gathered at the Royal Institute of Science's lecture hall in London. The crowd was there to witness a demonstration of long-distance, secure, and wireless telegraph transmission put on by physicist John Ambrose Fleming (who was there on behalf of his boss and the inventor of the technology, Marconi).

Right before the demonstration was about to begin, the telegraph came to life, seemingly of its own accord, and began tapping out messages. For several minutes it tapped out "Rats. Rats. Rats." over and over again before then shifting to "There was a young fellow of Italy, who diddled the public quite prettily," which was in turn followed by more insults directed at Marconi, mocking lines from Shakespeare, and additional insults.



Public Domain/Wikimedia

Who was behind this early hack? A man by the name of Nevil Maskelyne, who was also an early pioneer in wireless communication and rather irritated with Marconi's claims that the technology was secure. Like modern hackers who scoff at the claims governments and companies make about security (and frequently poke holes in those claims), Maskelyne had done just that by hijacking the demonstration and showing that the allegedly secure medium was anything but.

Google early days

In the early days of Google, Larry Page and Sergey Brin severely undervalued their budding organization. The search engine and information behemoth Google, with an estimated current net worth of 300 billion dollars, was once put on the bargaining table in discussions with rival search engine Excite for a paltry million dollars. Excite CEO George Bell rejected the offer and, even after the duo countered with an offer of \$750,000, he still turned them down.

So, what would motivate Page and Brin to even put Google on the table? They worried that tweaking and managing Google was taking too much time away from their studies. Today, with Google's market valuation in the billions of dollars, they have more than enough capital and free time to learn about and research whatever their hearts desire.

In 1981 It Would Take You Two Hours To Download What?

Answer: The Morning Paper

We take instant internet-delivered news for granted these days, but decades ago, the idea of electronically delivered news was new, very novel, and extremely slow. In 1981, a group of newspapers were participating in a virtual newspaper distribution project deployed by CompuServe, an early online services network. The New York Times, Washington Post, Los Angeles Times, and San Francisco Chronicle were among the widely read newspapers that participated.

The process of downloading the newspaper over a modem to early computers was very slow (downloading the entire weekday edition of the San Francisco Chronicle, for example, would take around two hours, others could take up to six hours). As agonizingly slow as that seems to us in the present, the material was presented teletype style without pictures, comics, or ads, being downloaded and arriving at roughly the same speed that a person could read it.

The project ended after about a year and, short-lived or not, it heavily foreshadowed a future where the news would be largely digital, on-demand, and delivered right to the reader.

Rockwell Collins mentions ham radio

Amateur Radio features in a Rockwell Collins promotional brochure that describes the company's UrgentLink Disaster Communications Network

Rockwell Collins is part of Collins Aerospace, a Raytheon Technologies subsidiary.

The brochure, produced in 2018, says:

"Ham radio operators provide a very important service during and after a disaster. Using High Frequency (HF) radios they can communicate long distances without reliance on local infrastructure that may have been damaged or destroyed. Many of the operators are trained in disaster response and generously volunteer their time and equipment to help out.

There is a weakness – availability. Ham radios require a skilled and experienced operator. The greatest need for them is typically during the first 24-48 hours after a disaster and it's during this time that it's most challenging for people to get around. If the ham radio operator is not on site when the disaster strikes you will not have access to their services.

In the case of Hurricane Maria, it took three days for the ham radio operator, supporting the Red Cross, to get to their headquarters. And a week after, hurricane officials were calling to ask for even more ham's to be sent in from the US mainland. This challenge was faced despite this event being predicted ahead of time. What would the delay be with a disaster such as an earthquake that cannot be predicted days ahead of time?

It doesn't have to be that way. What if you could have the beyond-line-of-sight communication capability that doesn't rely on local infrastructure or local expertise? What if it was always on and easy to use? More reliable than satellite and didn't require a communications expert like a ham operator? Something always on site that can be used when any disaster strikes?"

Read the full document at

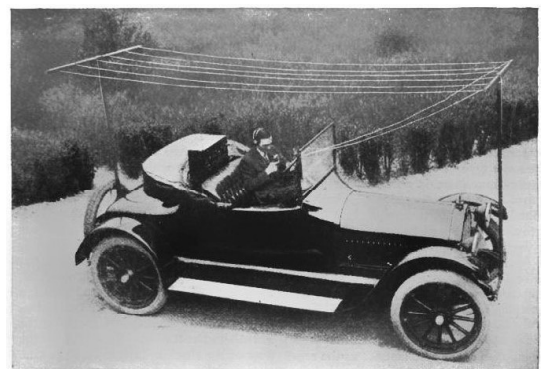
<https://www.rockwellcollins.com/-/media/Files/Unsecure/Services-And-Support/Information-Management/ARINC-Security/UrgentLink/ARINC-Security-UrgentLink-white-paper.pdf>

June 9, 2020: Collins Aerospace to provide back-up communications to FEMA with UrgentLink disaster communications systems

<https://www.collinsaerospace.com/en/newsroom/News/2020/06/Collins-provides-back-up-communications-FEMA-UrgentLink>

Alfred Grebe 1919 radio car.

An amateur radio set installed in a car by A. H. Grebe, a radio manufacturer of New York in 1919, who is shown speaking into the microphone. The bulky vacuum tube set is visible in the back seat. It used medium wave frequencies around 2 MHz, requiring the cumbersome "inverted L" wire antenna mounted on the bumpers, which could be quickly put up and taken down and stowed under the car's chassis. The car's body was used as a counterpoise. The radio set was powered by a separate storage battery, with a small dynamotor to generate high voltage for the tubes anode supply. Grebe noted that he could hear other cars approaching on the road, as the receiver would pick up the radio noise from their unshielded spark plugs. Broadcasting began in 1920, about the time vacuum tube radio receivers became available, sparking a "radio craze" during the early Roaring 20s. Many car owners installed home radio sets in their cars as a novelty. Car radios weren't manufactured until 1930, and did not come standard in vehicles until a number of years later.





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.

CUBA, CO. Special event station CO200SMP is QRV until June 30 to celebrate the 200th anniversary of San Miguel del Padron, one of the fifteen municipalities that make up the city of Havana. Activity is on the HF bands using CW, SSB and FT8. QSL direct to CO2AME.

ANGOLA, D2. Gabriel, D2EB, has 6 meter capabilities and may soon be active from Grid Square JI61pe. QSL via IZ3ETU.

ENGLAND, G. Members of the Chelmsford Amateur Radio Society will be QRV with special event station GB100MZX from June 13 to 20 to commemorate the first official British radio broadcast 100 years ago. QSL via operators' instructions.

WALES, GW. Members of Dragon Amateur Radio Club are QRV from special event station GB0MZX until June 21 to commemorate the first official British radio broadcast 100 years ago. QSL via operators' instructions.

JAPAN, JA. Katsu, JR7AMZ is QRV from Oshima, IOTA AS-206. Activity is on the HF bands using mostly FT8. QSL via JA7ZRY.

SVALBARD, JW. Bjorn, LA5NUA and Jurn, LA5LUA are QRV as JW5NUA and JW5LUA, respectively. QSL via operators' instructions.

BRAZIL, PY. Members of the Clube de Radioamadores de Sao Miguel do Oeste are QRV with special call ZZ60CRASMO during June to celebrate the club's 60th anniversary. QSL direct to PP5DZ.

SOMALIA, T5. Ali, 6O100 has been active on 20 meters using FT4 in DXpedition mode around 2320z. QSL direct to home call.

CHAD, TT. Nicolas, TT8SN has been active on 6 meters using FT8 just after 1000z. QSL via DL9USA.

MALI, TZ. Jeff, TZ4AM has been QRV on 20 meters CW around 0820z. QSL via W0SA.

EUROPEAN RUSSIA, UA. Special event station R20RUS and RU20RU are QRV until June 14 to celebrate Russia Day. QSL via operators' instructions.

AUSTRALIA, VK. Members of the Wireless Institute of Australia are QRV with special call VI110WIA until the end of 2020 to celebrate the club's 110th anniversary. Activity is on the HF bands. QSL via LoTW.

INDIA, VU. Verghese, VU3WNI is QRV with special call AU9VV until August 20 while participating in the STAY-HOME activities. In addition, VU2USI is QRV as AT2SAH until August 19. QSL via operators' instructions.

CAYMAN ISLANDS, ZF. Frank, KK5XX is QRV as ZF2FD from Grand Cayman, IOTA NA-016, until June 17. Activity is holiday style on 80, 40 and 20 meters using CW and SSB. QSL to home call.

THIS WEEKEND ON THE RADIO

The ARRL June VHF Contest, NCCC RTTY Sprint, NCCC CW Sprint, RSGB Hope QSO CW Party, SMIRK 6-Meter Contest, DRCG World Wide RTTY Contest, Asia-Pacific SSB Sprint, SKCC Weekend CW Sprintathon, Portugal Day Contest, AGCW VHF/UHF Contest, GACW WWSA CW DX Contest, REF DDFM 6-Meter Contest and RTTYOPS Weekend Sprint will certainly keep contesters busy this upcoming weekend.

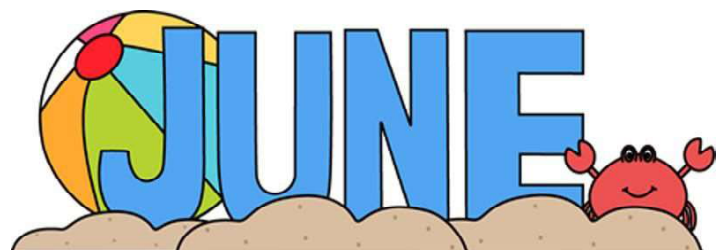
The RSGB Hope QSO FT4 Party, RSGB FT4 Contest Series and 4 States QRP Group Second Sunday Sprint are all scheduled for June 15.

The RTTYOPS Weeksprint, SARL Youth 40-Meter SSB Sprint, RSGB Hope QSO SSB Party and Worldwide Sideband Activity Contest are scheduled for June 16.

The RSGB Hope QSO CW Party, CWops Mini-CWT Test, NAQCC CW Sprint and Phone Fray are scheduled for June 17.

The 11th World Castles Weekend runs until June 21.

Please see June 2020 QST, page 69 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 3rd Saturday of every even numbered month at:

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

Testing for June by appointment
only Due to COVID-19 virus

2020 Schedule:

February 15	April 18
June 20	August 15
October 17	December 19

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 18th at 7:30 pm

The Meeting will be held
online via Zoom

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

