



# FEEDBACK

VOLUME 66 ISSUE 4

April 2021

## MASSILLON AMATEUR RADIO CLUB OFFICERS

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**MRN NET Sundays at 8:00 PM  
3599.50 KHZ**

**WEST STARK INFO NET  
Friday's 8:00 PM 147.180 MHz**

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## APRIL MEETING

The meeting for the month of April will be held on April 2nd, 2021 at 7:30 PM at the R. G. Klein Museum, downtown at the corner of Erie and Federal Avenue. Doors open at 7:00 PM with meeting starting at 7:30 PM.

## PROGRAM

The program for our April 2nd meeting will be presented by Jeff Covelli, WA8SAJ (Mr Drake) via ZOOM titled "Emergency Power for your home, the easy way"

## Massillon ARC Spring Tailgate Fest

Our Tailgate Fest will be held at the MAPS Air Museum. Entrance is at 5383 Massillon Road. The Date is Saturday, April 17th from 9:00 AM to 4:00 PM. Cost is \$5.00 per vehicle to cover the cost of the facility. No advance registration necessary. Bring your own tables.

## Statewide DMR Net Future

With the cancellation of the Ohio Statewide DMR Net, several of our Stark County ARES members are looking into the possibility of establishing our own District 5 Net.

This would include the following counties, Carroll, Mahoning, Portage, Stark, Summit and Trumbull.

We intend on contacting the EC's from the District to discuss the possibility of establishing a net for the district once a suitable Talk Group is decided upon.



Join us for our Trunkfest on Saturday, April 17th !

## MARC Meeting Minutes

### MARC W8NP Minutes March 5th, 2021 Meeting held at R.G. Klein Museum & on Zoom

Perry W8AU called the meeting to order at 7:30 pm at Rodney G. Klein Museum and Library, 22 Federal Ave NE, Massillon, OH 44646 and on Zoom for those not at the Museum. Social distancing was done due to the Corona virus pandemic.

The Pledge of Allegiance was said by the group with Perry W8AU leading.

The minutes from the February Annual meeting were distributed in the newsletter. Perry W8AU asked if there were any corrections, and hearing none, the minutes were approved as published in the newsletter.

Dan N8DZM read the Treasurer's Report which provided account balances. Dan N8DZM identified that PayPal is now set up in HamClub Online, and several members have already used this feature. For a nonprofit organization, 2.2% is charged on the transactions, *i.e.*, 63 cents on \$15 membership.

Gerry KG8RRY made the motion to approve the Treasurer's report; Don W8DEA seconded the motion. The motion passed. Perry announced **MAPS on the Tarmac**, Saturday April 17, 2021, will be a flea market at MAPS. Bring your own table. It was suggested taking a \$5 donation to setup.

#### New Business

Dan N8DZM questioned the current timing for completing the election of officers for 2021. He thought we could complete the election in Hamclub Online for secure voting via secret ballot. According to Bylaws, Trustees are to set up a ballot of officers. The three classes are from 7pm to 9pm on Fridays at R.G. Klein Museum; they are continuing as scheduled. The contact person for joining is Perry W8AU, phone 330-705-8449, for enrolling in the Technician, General, or CW code class.

A motion was made to adjourn the meeting by Brent N8BAG and seconded by Don W8DEA. The motion passed.

Tom Sly WB8LCD, our new ARRL Section Manager, spoke on Zoom for the meeting. Along with other news about work ARRL is doing, Tom WB8LCD stated we need to change our image to attract future young members.

Other comments on the image change included: the ideas of highlighting fun exercises, presenting learning experiences, and promoting opportunities for young members to support their communities.

Jerry N8SH commented on recent issues of QSO needing a boost in current new and relevant articles.

Vern KE8VS asked about a Geostationary Satellite for North America as Europe has. Are there current plans for a similar satellite and if so, what are the plans or progress towards such an effort? Tom WB8LCD was going to look into this and report back.

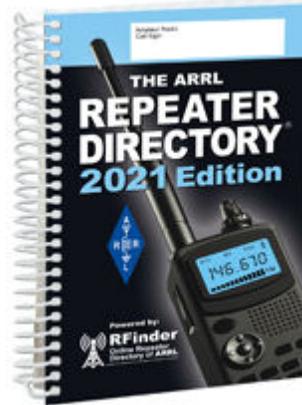
The MARC W8NP wishes to thank Tom Sly WB8LCD for meeting with us on Zoom for our March 2021 meeting.

Minutes submitted by Vern KE8VS.

Reminder of future activities:

The next meeting will be Friday, April 2, 2021 at 7:30pm. Due to COVID-19, the meeting will be on Zoom, as well as simultaneously, there will be an in-person meeting with masks and social distancing. The meeting location is the R. G. Klein Stock Market Museum, 22 Federal Ave NE, Massillon, OH 44646.

## OTHER NEWS



### The 2021 Repeater Directory® includes

“crowdsourced” listings contributed by users, repeater owners, and volunteer frequency coordinators. This means more listings, and updated more often. Public service volunteers: include this printed directory with your emergency ‘go kit.’

- World's largest printed

directory of repeater systems.

- Listings for US and Canada, organized by state/province, city, and operating mode.
- Digital repeaters including FUSION, D-STAR, DMR, NXDN, and P25 systems.
- VHF/UHF and microwave band plans included.
- Spiral "lay flat" binding (size: 6" x 9").

Please Note: The repeater listings that appear in **The ARRL Repeater Directory®** are provided by RFinder, Inc. If a repeater has been omitted, or if a listing is inaccurate, please report this directly to RFinder via the RFinder smartphone app, or on the web at [rfinder.net/blog/add-repeaters](https://rfinder.net/blog/add-repeaters).

#### Also Available:

[RFinder - The World Wide Repeater Directory](https://rfinder.net) web service and apps. RFinder's steadily growing worldwide repeater database now includes more than 55,000 repeaters in more than 175 countries.

#### Product Details

Softcover: 560 pages

Publisher: The American Radio Relay League, Inc.

## HISTORY OF THE CAR RADIO

Seems as if cars have always had radios, but they didn't. Here's the story: One evening, in 1929, two young men named William Lear and Elmer Wavering drove their girlfriends to a lookout point high above the Mississippi River town of Quincy, Illinois, to watch the sunset. It was a romantic night to be sure, but one of the women observed that it would be even nicer if they could listen to music in the car. Lear and Wavering liked the idea. Both men had tinkered with radios (Lear served as a radio operator in the US. Navy during World War I) and it wasn't long before they were taking apart a home radio and trying to get it to work in a car. But it wasn't easy: automobiles have ignition switches, generators, spark plugs, and other electrical equipment that generate noisy static interference, making it nearly impossible to listen to the radio when the engine was running. One by one, Lear and Wavering identified and eliminated each source of electrical interference. When they finally got their radio to work, they took it to a radio convention in Chicago. There they met Paul Galvin, owner of Galvin Manufacturing Corporation. He made a product called a "battery eliminator", a device that allowed battery-powered radios to run on household AC current. But as more homes were wired for electricity, more radio manufacturers made AC-powered radios. Galvin needed a new product to manufacture. When he met Lear and Wavering at the radio convention, he found it. He believed that mass-produced, affordable car radios had the potential to become a huge business. Lear and Wavering set up shop in Galvin's factory, and when they perfected their first radio, they installed it in his Studebaker. Then Galvin went to a local banker to apply for a loan. Thinking it might sweeten the deal, he had his men install a radio in the banker's Packard. Good idea, but it didn't work – Half an hour after the installation, the banker's Packard caught on fire. (They didn't get the loan.) Galvin didn't give up. He drove his Studebaker nearly 800 miles to Atlantic City to show off the radio at the 1930 Radio Manufacturers Association convention. Too broke to afford a booth, he parked the car outside the convention hall and cranked up the radio so that passing conventioners could hear it. That idea worked -- He got enough orders to put the radio into production.

That first production model was called the 5T71. Galvin decided he needed to come up with something a little catchier. In those days many companies in the phonograph and radio businesses used the suffix "ola" for their names - Radiola, Columbiola, and Victrola were three of the biggest. Galvin decided to do the same thing, and since his radio was intended for use in a motor vehicle, he decided to call it the Motorola. But even with the name change, the radio still had problems: When Motorola went on sale in 1930, it cost about \$110 uninstalled, at a time when you could buy a brand-new car for \$650, and the country was sliding into the Great Depression. In 1930, it took two men several days to put in a car radio -- The dashboard had to be taken apart so that the receiver and a single speaker could be installed, and the ceiling had to be cut open to install the antenna. These early radios ran on their own batteries, not on the car battery, so holes had to be cut into the floorboard to accommodate them. The installation manual had eight complete diagrams and 28 pages of instructions. Selling complicated car radios that cost 20 percent of the price of a brand-new car wouldn't have been easy in the best of times, let alone during the Great Depression –Galvin lost money in 1930 and struggled for a couple of years after that. But things picked up in 1933 when Ford began offering Motorola's preinstalled at the factory. In 1934 they got another boost when Galvin struck a deal with B.F. Goodrich tire company to sell and install them in its chain of tire stores. By then the price of the radio, with installation included, had dropped to \$55. The Motorola car radio was off and running (The name of the company would be officially changed from Galvin Manufacturing to "Motorola" in 1947.) In the meantime, Galvin continued to develop new uses for car radios. In 1936, the same year that it introduced push-button tuning, it also introduced the Motorola Police Cruiser, a standard car radio that was factory preset to a single frequency to pick up police broadcasts. In 1940 he developed the first handheld two-way radio -- The Handy-Talkie – for the U. S. Army. A lot of the communications technologies that we take for granted today were born in Motorola labs in the years that followed World War II. In 1947 they came out with the first television for under \$200.

The [QSO Today Virtual Ham Expo](#) attracted thousands of participants over the March 13 – 14 weekend. Taking a different tack than it did for its inaugural event last August, the expo leveraged the capabilities of two virtual event platforms to increase interaction among attendees, speakers, and exhibitors. All did not go smoothly, however.

“Unfortunately, we had many technical issues with the Airmeet presentations and the integration of the vFairs and Airmeet platforms,” expo chairman Eric Guth, 4Z1UG/WA6IGR, explained afterward in a message to participants. All recorded presentations are available for attendees during the expo’s 30-day on-demand access period, which ends April 16.

ARRL, a QSO Today Virtual Ham Expo partner, enjoyed virtual visits from attendees to its two exhibits. One included staff representatives for Member Services, Radiosport, ARRL Field Day, and Field Services. The other exhibit highlighted the expertise of ARRL Laboratory personnel, who offered technical and practical advice to those stopping by. On the team were Senior Test Engineer Bob Allison, WB1GCM, who streamed from inside the Lab’s screen room where QST “Product Review” testing is conducted, and RFI Engineer Paul Cianciolo, W1VLF, who helped participants deal with pesky noise and interference issues. W1AW Station Manager Joe Carcia, NJ1Q, conducted virtual tours of the Hiram Percy Maxim Memorial Station all weekend.

All told, [16 staff members](#) worked in rotating shifts at ARRL Headquarters, greeting visitors through livestreaming video and audio. Several members of the ARRL Board of Directors were on the platform too.

CEO David Minster, NA2AA, delivered the event’s keynote address. Minster, who arrived in the midst of the COVID-19 pandemic last year, said ARRL would become a bigger player in the digital age.

“A major part of the digital transformation at ARRL has to do with taking our excellence in content development and editing, and bringing it to video,” Minster said. “You are seeing more activity from us on YouTube, the Learning Network (webinar series), and then later this year the launch of our Learning Center.” Video, Minster pointed out, is always available and easy to pause and refer back to.

Amateur radio manufacturers and vendors including FlexRadio, Elecraft, Connect Systems, and Quicksilver Radio Products welcomed visitors and answered their questions on a one-to-one basis.

Guth apologized for the poor experience many participants had in accessing and navigating the event.

“I attempted to integrate a number of systems together in order to make a better user experience,” he explained. “It was a noble idea, because I wanted the convention like last August, with the lounge tables of Airmeet to make it more interactive. We failed on this platform for many of you. I am very sorry.”

“One of the things that we’ve stressed in all of our communications is that the QSO Today Virtual Ham Expo team is committed to constantly learning and improving what we do,” Guth said in a statement. “Virtual conventions of this magnitude are new territory. We believe that there’s a place for a virtual ham expo to serve the needs of the very large amateur radio community, especially those that don’t attend in-person national or regional events (or even local events). We are committed to making that happen.”

The expo announced on Wednesday, March 17, that 80 presentations had already been added to the platform [for on-demand viewing](#).

This last weekend was a very busy one here at KB6NU. I attended the QSO Today Virtual Expo, chatted with some local ham friends on Zoom, and worked three state QSO parties.

On Friday night, I checked into the [QSO Today Virtual Ham Expo](#). There wasn't a lot going on, but I sat in on the live streaming of the Ham Radio Workbench and Ham Radio 2.0 podcasts and wandered around the booths a bit. As you might expect, there weren't many people in the booths. The busiest one that I dropped in on was the [CWops](#) booth. I think there were four or five of us in there.

On Saturday morning, before the Virtual Expo got started, I dropped into a Zoom meeting that takes place every Saturday morning. Before the pandemic, this meeting used to take place at a local bagel shop, but now we do it online. For some reason, it's called "The Clinic." The Clinic got started when some guys would join Dik, KC8UXT, at his favorite breakfast spot, Barry Bagels, every Saturday morning.

Sadly, Dik is now an SK, but the Clinic continues. We get started about 9 am Eastern time and BS about ham radio for a couple until about 11 am. Feel free to drop in and [join the Zoom meeting](#).

This Saturday, I left the Clinic at 10 am to make some contacts in the [Oklahoma QSO Party](#), the first of three state QSO parties over the weekend. By the time I got set up it was 10:15, and over the next half hour, I managed to make five QSOs. That was enough to qualify my participation for the [State QSO Party Challenge](#).

At 11 am, it was back to the Virtual Expo. Over the next 5-6 hours, I attended presentations and did some booth duty in both the ICQPodcast booth. I say booth duty, but it was really just chatting with the ICQPodcast guys and the occasional listener.

As you may have heard, there were some software problems with the Virtual Expo. Some attendees had problems with their login credentials and some of the sessions didn't work quite right.

Several sessions did work correctly, though, including the session on amateur radio branding. That session was moderated by Martin, M1MRB, of the ICQPodcast, and was quite a good discussion. Fortunately, all of the presentations were pre-recorded and will be available to attendees for the next 30 days on Virtual Expo website. After that, they'll be uploaded to the [Virtual Expo YouTube channel](#).

After eating some dinner, it was back to the shack, to make some contacts in the Idaho QSO Party. After making a couple of contacts on 40m, I switched to 80m and made a third one. Since I don't do very well to the west, I figured that was enough, and shut down the station for the day.

More troubles on Sunday

At 11 am Sunday morning, it was back to the Virtual Expo. Unfortunately, the Expo's software woes continued. I think that what happened in the session that I was "hosting" was a great example of how things went wrong.

I'm not sure exactly why the organizers did this, but they decided to tack on a title screen to each video and run that screen along with some elevator music for three minutes. That got old pretty fast, so the speaker and I decided to start the video before making the session go live, then making the session live after it had run for two minutes. Bad move. When we did make the session live, no one could see the video. Stopping and re-starting the video did not work.

Someone in the audience suggested ending the session and restarting it. That sounded good, but I didn't have a good feeling about this. One of the sessions that I had wanted to attend on Saturday had ended prematurely, and I was guessing they had a similar problem with their video and tried the same maneuver. That session never took place. I said as much, but the speaker wanted to try it so we did. Of course, we couldn't get the session re-started after doing that.

The speaker had a link to the online support, so we tried that. I was going to say that these guys were pretty clueless, but would be unfair. They were being asked to support a system that was poorly designed and had lots of bugs. They did the best they could, but they just really couldn't do much. After about a half hour, they decided just to add a session with the same title. A little more than 35 minutes after the session was to start, we were able to start the second version of the session. The rest pretty much went off without a hitch.

## History of the car radio (continued)

In 1956 the company introduced the world's first pager; in 1969 came the radio and television equipment that was used to televise Neil Armstrong's first steps on the Moon. In 1973 it invented the world's first handheld cellular phone. Today Motorola is one of the largest cell phone manufacturers in the world. And it all started with the car radio. Whatever happened to the two men who installed the first radio in Paul Galvin's car? Elmer Wavering and William Lear ended up taking very different paths in life. Wavering stayed with Motorola. In the 1950's he helped change the automobile experience again when he developed the first automotive alternator, replacing inefficient and unreliable generators. The invention led to such luxuries as power windows, power seats, and, eventually, air-conditioning. Lear also continued inventing. He holds more than 150 patents. Remember eight-track tape players? Lear invented that. But what he's really famous for are his contributions to the field of aviation. He invented radio direction finders for planes, aided in the invention of the autopilot, designed the first fully automatic aircraft landing system, and in 1963 introduced his most famous invention of all, the Lear Jet, the world's first mass-produced, affordable business jet. (Not bad for a guy who dropped out of school after the 8th grade.

## Spring Red Cross Emergency Communications Drill Set

The spring 2021 Red Cross Nationwide Emergency Communications Winlink Drill will be held on May 8, which is [World Red Cross and Red Crescent Day 2021](#). [Details and instructions](#) are available. [Sign up for email updates](#). Ahead of the May nationwide exercise, the American Red Cross (ARC) Emergency Communications training group will continue its *Winlink Thursdays* training sessions on March 11 and April 8.



**American Red Cross**

## MARS Volunteers Recognized with Gold-Level President's Volunteer Service Award

3/03/2021

A dozen US Army Military Auxiliary Radio System (MARS) volunteers have been honored with gold-level recognition for the President's Volunteer Service Award for 2020.

They are Bob Mims, WA1O EZ; Ron Tomo, KE2UK; Mark Bary, N4EOC; Billy Pearson, KO4XT; Dave Bock, W8OHS; Bob Baker, K5LLF; John Monson, WB0PLW; Gary Geissinger, WA0SPM; Brian Handy, W8JBT; Bliss Wheeler, W7RUG; Jim Hamilton, K4QDF, and Daniel Wolff, KA7AGN.

Each award recipient receives a letter signed by the President of the United States, a certificate of achievement, and a presidential volunteer service lapel pin. Volunteer awards are based on the certifying organization's recommendation and the number of documented volunteer hours for the year. Gold-level volunteers must accrue a minimum of 500 hours volunteer time supporting the organization. Silver awardees must achieve 300 hours and bronze must achieve a minimum of 100 hours volunteer time. Army MARS Chief Paul English, WD8DBY, will conduct a virtual awards presentation on Thursday, March 4, for the recipients and any MARS members who wish to attend. — Thanks to Paul English, WD8DBY



# April 2021

## W8NP Monthly Planner

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																								
Upcoming Events: May 21 - May 23 - CANCELED - Dayton Hamvention <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="7">May 2021</th> </tr> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> </tr> <tr> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> </tr> <tr> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> </tr> <tr> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> </tr> <tr> <td>30</td> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			May 2021							S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						<b>1</b> April Fool's Day	<b>2</b> Missillon Amateur Radio Club Meeting. Stay tuned to 147.18 for location details!	<b>3</b>
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Please contact K8DN for updates, changes, or additions.

**Massillon Amateur Radio Club**  
**PO Box 73**  
**Massillon, OH 44648**

**FIRST CLASS MAIL**

**TO:**

**Club Officers**

<b>President</b>	<b>Perry Ballinger, W8AU</b>
<b>Vice President</b>	<b>Don Rankl, N8IVJ</b>
<b>Secretary</b>	<b>Vern Sproat, KE8VS</b>
<b>Treasurer</b>	<b>Dan Anastis, N8DZM</b>

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                      **Wade Huthmacher, WD8MIU**  
                      **Fred Reed , KD8SMO**

**W8NP Trustee**     **Perry Ballinger, W8AU**

**W8NP Webmaster**     **Terry Russ, N8ATZ**

**Published by the Massillon Amateur Radio Club, PO Box 73, Massillon, Ohio 44648. The Club meetings are the first Friday of every month (except January) at 7:30 PM at the R. G. Klein Museum located at the corner of Erie St and Federal Avenue in downtown Massillon.**