



### President's Message

To all who hold an interest in radio communications, consider the year 2020 as yet another opportunity to shine. Our hobby gives us chances to help out in emergencies and in simulated situations, and that's usually a good thing – good for learning our avocational craft. Also, communicating for a client lets us learn how the client does business and in what ways we can contrive to get message intelligence through to its intended receiver(s).

Some of our especially fun things have been curtailed this year, not least of which the various road runs that generally happen in the course of a year, some of them for cancer, some for war remembrance, and others just for the heck of it. Superfest 2020 didn't go into the books because of the unlikelihood that we could legally put more than 2,000 people inside a single building without official blowback. Maybe next year? We will watch carefully to see whether COVID can be pushed out of the way, giving us more communications time.

In November's meeting, the Board of Directors will put forth a slate of officers for your voting pleasure. You will discover who will be managing the affairs of your club for 2021. After the vote, we will move on to other matters, and I invite you to comment on these and participate to the extent that you are able (age and physical condition considered).

Here is a recommendation for the continuing march into the future: Keep track of [www.nasa.gov](http://www.nasa.gov), because amateur radio is already in use on the International Space Station. The Lunar Gateway is not yet built, but plans include functional ham radio there, too. Our nets may soon have both Earth-bound and space participation. That's worth taking a look, and the website will allow you to keep up with missions and launch dates. Enjoy!

It should be mentioned that the Board is always seeking means to allow participation by persons of all ages. Sometimes we see a good mix of generations, and I would love to continue seeing that as I leave the presidency at the end of December 2020. Our club will always fare better when we have active members from 16 years of age through 85. There are presently some good examples of this in the Peoria area, and the more our demographics reflect our region, the better off I think we will be. PAARC needs to be active and respected in the radio communications community, and each of us can present a friendly face to those who ask questions about ham radio.

Please remember to invite others to come and see our meetings, whether held by Zoom or, eventually, in person. People are likely to be more curious about their neighbors if they can see them doing something interesting. Everyone will probably enjoy the meetings more, as well.

Jon A. Dainty, Sr., NM0O

President, PAARC

### November Club Events:

November 5<sup>th</sup>: Board Meeting (Zoom)

November 12<sup>th</sup>: Club Meeting (Zoom)

November 11<sup>th</sup>: ARES Meeting (Zoom)

November Fundraising (Zoom)

### December Club Events:

December 3<sup>rd</sup>: Board Meeting

December 10<sup>th</sup>: Club Meeting (TBA)

December 16<sup>th</sup>: ARES Meeting (Zoom)

December Fundraising (Zoom)

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## Peoria County ARES

<u>Date/Time (CST)</u>	<u>Event</u>	<u>Location</u>
November 4th/ 8:00pm	NET	075 Repeater
November 11th/8:00pm	NET	075 Repeater
November 14 <sup>th</sup> / 8:00-6:00 pm *Please call or send Rich your email address if you are not currently part of the roster and desire to participate*	Home Location	ARES Red Cross Drill
November 18th/7:00pm	Meeting	Zoom Meeting (Watch Email for invite)

Teleconference Agenda includes: Repeater & Simplex Testing, Winlink News, & more!

Rich Holtman, KD9ANU, Assistant Emergency Coordinator for Peoria County ARES email: [kd9anu@arrl.net](mailto:kd9anu@arrl.net)  
Winlink: [kd9anu@winlink.org](mailto:kd9anu@winlink.org) Cell: 309-256-4272 ARES website: <http://www.peoriacountyares.org/>

### Club Sunday Night Net

The club holds a weekly net on Sunday Evening at 8:30 PM Local Time on the 147.075 repeater. All Amateurs with 2-meter privileges are invited to check in.

The Sunday Night W9UVI Net check-in results for the month are shown in the table below.

October 4th:	October 11th:	October 18th:	October 25th:	Total:
21	26	24	24	95

October 4th Check In: KD9JXR N9SJZ W8NWG KD9IVV W9WGN KB9ATO W9JDP KB9TNZ NM0O KD9AER KD9IBC KD9MPI KC9YTT KD9NYE N9WX KD9PXZ N9NDF KD9ANU K9XJT K9TNT KD9NYI Submitted by KD9DBQ 73

October 11th Check Ins: KD9ERS KD9JXR W9JDP KD8NYE K9XJT KD9MPI KD9IBC N9GUE N9NDF KD9PXZ K9HJZ WB9UMM KB9TNZ KD9AER W8NWG K9TNT NM0O KB9ATO KD9ANU W9WGN K9CEW N9SJZ N9WFT K9FIT KB9MJA KD9IVV Submitted by KD9DBQ 73

October 18th Check Ins: KA4DEB KD9JXR N9SJZ KD9IBC K9TNT W8NWG KB9TNZ K9XJT KD9IVV KB9SF KD9BYE W9WGN W9JDP K9HJZ KD9MPI KB9ATO N9GUE KC9YTT KD9PXZ KD9ANU KD9ERS K9CEW N9WX KD9AER Submitted by KD9DBQ 73

October 25th Check Ins: KD9ERS KD9JXR N9SJZ K9TNT KD9IBC KD9NYE KD9PXZ KB9ATO KD9IVV KD9AER W8NWG W9WGN N9NDF KC9YTT K9HJZ WB9UMM KD9ANU KB9MJA K9CEW KN4KNV KB9TNZ N9GUE KD9MPI KD9NYI Submitted by KD9DBQ 73

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### Club Directors

President Jon Dainty, NM0O; Vice President Craig Worrick, K9CEW; Secretary, Melinda Hubert, K9GOA; Treasurer Melinda Hubert, K9GOA; Directors Neil Hubert, KC8FYI (1 year); Jim Polson, W9JDP (2 Year) ; Trustee Tom Hunt, W8NWG; Superfest Chair Deb Suhs, KA4DEB.

## Repeaters

The PAARC operates three 2-meter repeaters, which are open for all amateurs with 2-meter privileges.

The 146.250 (input)/146.850 (output) (K9PEO) repeater is located in Glasford. The repeater uses a 103.5 Hz input tone. The 147.675 (input)/147.075 (output) (W9UVI) repeater is located in Groveland. This repeater is used for the Sunday night net. This repeater uses a 156.7 Hz input tone for CTCSS squelch control. The W9PIA D-Star 144.505 (input)/145.105 (output) repeater and 448.46875 (input)/443.46875 (output) repeaters are located in Groveland.

## Membership Information

Membership in the Peoria Area Amateur Radio Club

is available to any licensed amateur and is administered as follows:  
Voting Membership: \$25 per calendar year. Ages 18 and under, or 65 and

older are \$20 per calendar year. Family

Membership: Voting membership for first

member and \$15 for each additional member in

same household. Non-voting Membership: \$10

per calendar year for amateurs who are interested only in occasional participation.

Honorary Life

Memberships: are free

## Minutes of PAARC Board Meeting

Meeting: September 3, 2020

Location: ZOOM Virtual Meeting

Meeting was called to order by President, Jon Dainty, NM0O, at 19:10 on 10/01/2020.

Repeater Updates: Tom W8NWG, and Steve, KD9AER gave repeater updates that the club has purchased a voice modulator that allows the ID to identify via a synthetic voice versus a CW ID. This allows the ID time to be taken from 7 seconds down to 2 seconds.

Fundraising: The board is still seeking fundraising ideas if you have a suggestion please contact a board member.

Bandbits: Bandbits as submitted was approved by Tom, W8NWG, and Neil, KC8FYI.

The meeting was adjourned by Tom, W8NWG at 19:50.

## Minutes of PAARC Club Meeting

The October club meeting was held via Zoom. The presentation was given by Craig Thompson, K9CT.

## PAARC Repeater Committee

Steve Grob, KD9AER; Craig Worrick, K9CEW; Neil Hubert, KC8FYI; Matt Behnke, KC9ERS; Rich Holtman, KD9ANU; Tom Hunt, W8NWG (Repeater Trustee)

## Repeater Update

By now, you have probably noticed a change in the sound of the .075 repeater. With the addition of a small voice module, the repeater has a voice ID system. This was intended to be more convenient to those who do not know CW.

This will also allow us to insert special announcements for upcoming club events, emergencies, etc. Thanks to Steve Grob, KD9AER for installing the voice unit and putting it on the air.

Written by Tom Hunt, W8NWX

## 2020 Repeater and Simplex Testing

On Sunday, October 11, 2020, Peoria County ARES held a Repeater and Simplex Test Net in and around Peoria County to better understand the performance of some local repeaters and the range of our simplex abilities. This was a group radio activity in which it was easy to maintain appropriate social distances. Participating operators were KC9YTT, KB9SF, KD9ERS, K9CEW, N9CN, W9WGN, K9XJT, KD9AER, KD9DBQ, W8NWX and KD9ANU.

The Field Locations used for this exercise were West Jersey, Knoxville, Rapatee, Canton, Forest City, Hopedale, Goodfield, Metamora, Sparland, and in Peoria at the Red Cross.

Methodology – The ten operators drove to the pre-determined field locations in advance of the start of the Net. Operators recorded their GPS coordinates for later calculation of location-to-location distances. These mobile stations were to be equipped with dual band mobiles and vehicle mounted antennas as if they just arrived on scene in an activation scenario. Also for 2020 we included an operator in the PAARC Radio Room at Peoria Red Cross to better understand that station's performance. A pre-printed Data Sheet was provided to each operator. Net Control was at the Peoria County's Bunker located in the center of the county at Kickapoo, on a relatively tall antenna system expected to be able to reach all participating stations. Net Control called for each field location to reply one-by-one. Each participant recorded on their data sheet if they could or could not copy the other stations. Each repeater was tested in a similar fashion. The operators then changed to a pre-determined Simplex frequency. Net Control called for each operator one-by-one, while all other operators listened for that simplex reply and recorded results on the data sheet

Repeater Results – One operator had antenna problems so the results of only 9 field stations are summarized in the table below. Max QSO distance is not intended to

and are awarded by a vote of the general membership after recommendations from the Board of Directors. Dues are payable by February 1ST of each year.

## Bandbits Policy

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show the maximum repeater range, this is simply the maximum distance of successful QSO's that was observed for each repeater.

<b>Frequency</b>	<b>146.760</b>	<b>147.075</b>	<b>146.970</b>	<b>146.850</b>	<b>147.330</b>	<b>444.200</b>
<b>Call Sign</b>	K9WRA	W9UVI	W9BFD	K9PEO	WX9PIA	K9WRA
<b>Former C.S.</b>	W9UFF	-	-	-	-	W9HOI
<b>Location</b>	Kickapoo	Groveland	Kickapoo	Glasford	Peoria	Kickapoo
<b>Stations heard</b>	9 of 9	8 of 9	9 of 9	5 of 8	7 of 9	7 of 8
<b>Max. QSO Distance</b>	29.2	43.3	29.2	25.0	31.5	29.2
<b>Comments</b>	-	-	-	1 radio had a bad PL tone	-	1 radio had no UHF band

Simplex Results – The longest two-way simplex QSO was 24.2 miles between Metamora and Hopedale. The longest one-way station heard was from Rapatee to Hopedale at 42.1 miles, but Rapatee could not hear Hopedale. We did the same sort of testing in November of 2019, but at that time the field stations were located at or slightly inside the boundary of Peoria County. Therefore, due to the greater distances in 2020, our simplex contacts were fewer in number.

Rich Holtman, KD9ANU  
Peoria County ARES

## Midwest 2-Way Communications is having a garage sale!!

Saturday November 14th

8:00AM to 3:00PM

We have 40 years-worth of inventory left over from when our business was known as Moyer Electronics. There will be a lot of used radios, repeaters, antennas, emergency lights, car stereos, vintage electronics, test equipment, electronic components, resistors, capacitors, transistors, IC chips,



Midwest 2-Way Communications is an Authorized Motorola Solutions Commercial Products Channel Partner and full line of ICOM Land Mobile, Amateur, Marine and Avionics Dealer.

Midwest 2-Way also sells from brands such as Tram-Browning Antennas, Able-2 Lights and Sirens, Diga-Talk and Uniden.

Midwest 2- Way is owned and operated by Bill Schock, N9JOZ, for contact information visit [www.midwest2way.com](http://www.midwest2way.com)

Midwest 2-Way has a large assortment of pre-made coax jumpers in stock!

Midwest 2-Way is a proud supporter of Peoria-Area Amateur Radio Club.

electron tubes, and New-Old-Stock items from the 1970's & 1980's in their original packaging. We will have over 1000 items priced at \$2.00 or less!

In addition to the electronic items there will be some misc. household items and tools including a Delta wood shaper, Craftsman table saw, and Miller welder.

If you have been having the Ham-Fest blues because Covid-19 has shut everything down, this is your chance to get out and pick up a few items you can't live without!

Midwest 2-Way Communications is located at 5058 Edgewater Dr. (Illinois Rt. 98) in Groveland, IL. We are approx. 10 minutes east of Pekin, 5 minutes west of Morton and 5 minutes south of East Peoria.

For questions you can contact us at 309-387-6831. We look forward to seeing you here!

Due to the Covid-19 pandemic masks will be required for entrance and we ask that you maintain at least 6' social distancing while at the sale.

[www.midwest2way.com](http://www.midwest2way.com)

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#### AREA FCC EXAMS

##### Morton:

Please stay tuned for more dates.

FCC Amateur Radio Exams are held at the Morton Public Library, 315 West Pershing at 12:00 noon the third Saturday of even numbered months. If no one is there at that time the examiners will leave as they are all volunteers. Walk-ins are welcome. Please bring your original Radio License (if any) and a copy, and the original and a copy of any of any Certificate of Completion (CSCE) not already acted upon by the FCC. Copies are needed to send with your license application. Fee for 2019 is \$15.00. You will also need identification such as a Driver's License, and a Social Security Number. Contact Bob Bush W9WTF at W9WTF@ARRL.net for more information.

##### Bloomington:

Please stay tuned for more dates.

Testing is held at the Bloomington Public Library Community Room located at the intersection of E. Olive St. and S. East St. Entrance is off S. East St. Testing begins at 1:00pm. Bring two forms of identification. You will need a copy of your current license plus and CSCE you want to apply. Contact Keith Hanson AC9S at

ac9s@hotmail.com (preferred) or (309) 378-4416 for more information. Note on testing – A Social Security number is now required for all FCC exams.