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- Bruce Brumm KCØZMT
President
- Open
Vice-President
- Alisa Payton KNØWME
Secretary
- Bill Claypool NUØQ
Treasurer

BOARD

- Rick Allen, NØCFL
- Dennis O'Brien KAØDOS
- Ray Harden WØRAY
- Bob Johnson, WØSMS
- Scott Kirstein NØOOD
- Mike Waldron AEØMW

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DECEMBER 2018

DMRAA Christmas Party December 11th, 2018

We are enjoying a modest warming this week before the mercury takes another nose dive. We also enjoyed a warm and friendly evening at the annual DMRAA Christmas Party. Many club members and their spouses gathered to enjoy the comradery and of course the plentiful ham and delightful sugary treats. We club was also happy to bestow

the Winthrop Mager Award on long time treasurer Bill Claypool NUØQ.

Bruce, KCØZMT spoke of the many activities hosted by the club in 2018.

Thanks also to the attendees and to Dennis and Sandy for preparing the ham.



Bill Claypool NUØQ receives the Winthrop Mager Award for 2018

Some 22 years ago Bill, NUØQ received the Winthrop Mager Award for his outstanding service to the DMRAA. As treasurer he was recognized for keeping the financial affairs of the club in order. Since 1996 he has continued to do the same. Always cheerful in his duties and patient for those of us who attempt to confuse him. It seems only fitting that he be recognized for his faithful service to the DMRAA again. Who knows what the next 22 years will bring? Hopefully a few more presentations on DXing and contesting.



"Treasurer for Life" Bill Claypool & President Bruce Brumm

ChiliFeed / Auction & Christmas Party Photos, Page 11-12



Come enjoy the fellowship

DMRAA
meetings are the
4th Tuesday of
the month. Be
sure and mark
your calendars!



Upcoming Meetings

Magnetic Loop Antennas Rick Allen, NØCFL

January 22nd, 2019
7:00 PM

Waveland Room, 2nd floor
Plymouth Congregational Church
42nd & Ingersoll Des Moines, IA



February 26th, 2019 NWS Spotter Training

7:00PM
Recital Hall, 3rd Floor

Plymouth Congregational Church
42nd & Ingersoll Des Moines, IA

The DMRAA meetings provide an excellent opportunity to meet new friends and enjoy fellow hams. Please feel free to invite newly licensed amateurs to attend.

Future Meetings

We're looking for meeting ideas and presenters. Please feel free to make suggestions and offer to help with a presentation.

Contact
Bruce Brumm
KCØZMT
at info@dmraa.com



You can Help?

Are you interested in helping the club? There are many ways you can help -- assisting with an event, taking a few pictures or even writing a piece for this newsletter.

Past Meetings

DMRAA ChiliFeed Auction

It was a cool November evening but the chili was plentiful and hot. No necessarily a record crowd but perhaps a record was set for the amount of chili! The chili and fellowship was followed by the auction. Not a lot of gear this year but some great bargains and unique buys. Thanks to Thanks to Bob, WØSMS, Scott, NØOOD and Tom, NØVPR for providing the chili.



If you have any suggestions for future meetings, please contact President

Bruce Brumm
KCØZMT at info@dmraa.com



Giving back through community service

Scott Kirstein
NØOOD
Polk County ARES EC
515 490-7414 (cell)
n0ood@arri.net



Polk County ARES



When I was a Boy Scout I waited each month for Boy's Life to arrive in the mailbox. I waited specifically for two things. One was – of course – the X-Ray Glasses (to see if there was a sale); the second was the column "Scouts in Action." These were true stories of actual scouts doing things to help people and communities – and they were exciting articles to read as a young man. Since I assume that most of you reading the Static Sheet, are also anticipating with each new edition, my column. I assume that you – too – would like to read a "real world" story of Hams in Action!

The following article will appear in the Des Moines Water Works newsletter that comes with the monthly water bill for customers of DMWW (reprinted with permission):

"DMWW Calls on (Old and New) Friends for Telemetry Interference Assistance

Des Moines Water Works in some situations uses secured

radio telemetry to send information from remote sites to the Control Center. This information is used to monitor various attributes of the remote site so that staff can be alerted to any problems and ensure systems are running optimally.

For several months, Water Production staff had been experiencing periodic and sometimes total failure of the radio system that talks to LP Moon, Roosevelt Booster Station, Nollen, Waukee, West Des Moines, Norwalk, Clive and Urbandale water towers, as well as other sites.

Water Production staff, with assistance of IT, spent time and resources on new systems and equipment in order to get the frequency systems to communicate. Paul Sanford (Water Production) said staff first began troubleshooting by trying to beef up the radio system. This did not return the results staff had wanted. At times, some sites worked, but at other times, the whole system was down. Then, staff began reaching out to

radio sales reps and technical resources to assist with the problem. Sanford said he then contacted the Des Moines Police (DMPD) radio department because he knew we weren't fighting a bad antenna, radio or coax problem. We needed a frequency analyzer. Sure enough, with the help of our friends at the DMPD radio department, we found we had interference on our frequency. Polk County Emergency Management and the Federal Communications Commission were also contacted to help find the interference.

That's when a relatively unknown volunteer group, Polk County Amateur Radio Emergency Service, was brought in for assistance.

The mission of Polk County Amateur Radio Emergency Service (ARES) is to provide emergency radio communications for Polk County and surrounding communities when officially activated via authorized agency. Amateur Radio is governed by the FCC Code of Federal Regulations. Part of the requirement for maintaining radio spectrum for amateur radio ([continued on page 4](#))

Polk County ARES Meetings
Polk County EOC
1907 Carpenter Avenue
Des Moines, IA



ARES MEETINGS DATES 2019

Monday, January 7
Monday, April 8
Monday, July 8
Monday, October 7

7:00 PM

Polk County Emergency
Operations Center
1907 Carpenter
Des Moines, IA

2019 ARES Events

Fight for Air Climb April 7th, 2019
Drake Half Marathon April 20th, 2019
Market to Market May 11th, 2019
ARRL Field Day June 22nd & 23rd, 2019
Iowa State Fair Parade August 7th, 2019
Head of the Des Moines Rowing Regatta
September 28th, 2019
IMT Des Moines Marathon
October 20th, 2019
Living History Farms Fun Race
November 23th, 2019

Sign-up online at DMRAA.com/ARES



Giving back through community service

Scott Kirstein
NØOOD
Polk County ARES EC
515 490-7414 (cell)
n0ood@arri.net



Polk County ARES (Cont.)



is providing service to the public. The Polk County ARES is comprised of 76 volunteers.

“The primary focus of our communications efforts are surrounding emergency response – specifically to augment public service communications capabilities for the various jurisdictions within Polk County,” said Scott Kirstein, Emergency Coordinator, Polk County ARES. “Fortunately, Polk County is pretty well equipped and has considerable resources to utilize for most emergencies, so we are not needed very often for the real thing; however, we do provide routine support for community events, like the Des Moines Marathon, Living History Farms Race, and Fight for Air Climb, to name a few.”

A total of eight operators from Polk County ARES assembled to track down the signal interference over the course of about three weeks. DMWW, DMPD radio department, and the FCC con-

tinued to assist during the workday, while the amateur volunteers worked the late shift.

After a fair amount of trial and error (finding out for sure where it *isn't*, to determine where it could be), the volunteer group pinpointed the signal to defunct equipment on top of a downtown building that was causing the unintentional interference. The team contacted the owner of the license associated with the equipment and got permission to disable it. The volunteer team then contacted Kyle Danley (Water Production) to confirm the signal interference on DMWW's end was gone. DMWW confirmed.

Collectively, Polk County ARES volunteer team spent approximately 70 hours to assist DMWW.

“We are just a handful of folks who are willing to help out if we can. We heard of a need, thought maybe we could help, and caught a couple of breaks to solve a prob-

lem,” said Scott Kirstein, NØOOD, Polk County ARES Emergency Coordinator.

Paul Sanford said, “The end result of the situation was, we learned a lot, we have a more robust radio system with encryption, a good relation built with several entities, and now know where to go if the problem ever reared its ugly head again.”

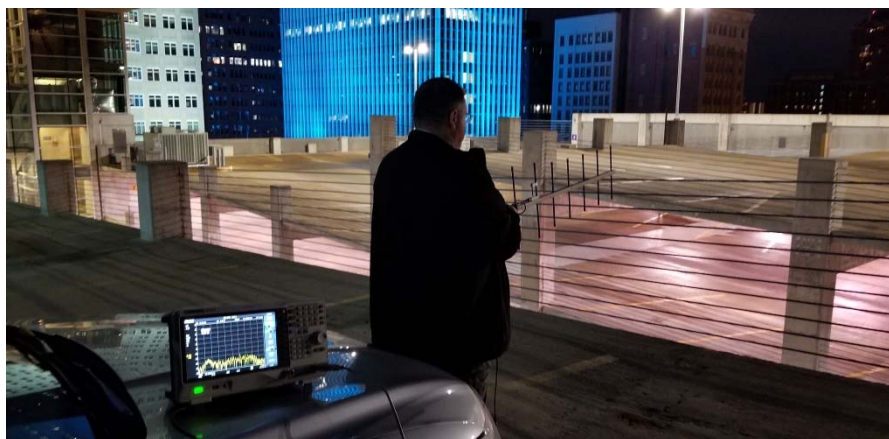
Thank you to DMPD, Polk County, FCC, DMWW Control Systems staff, and the volunteer amateur radio group in locating the signal interference and working to find solutions. Communication systems are a vital element in our work to deliver safe drinking water to 500,000 central Iowa customers.”

Thanks to all of you who helped out with this project for the DMWW and all of our events throughout 2018. Happy Holidays!

Scott, NØOOD

Polk County ARES Meetings

Polk County EOC at
1907 Carpenter Avenue
Des Moines, IA



Paul, WØYR tri-angulating the interfering signal.

Photo by Clint, KØGR

2018 DMRAA Calendar

Calendar 2019

General Meetings and Events

22 January, 2019
 26 February, 2019
 26 March, 2019
27 April, DMRAA Hamfest
 23 April, 2019
 28 May, 2019
22—23 ARRL Field Day
 25 June, 2019
 23 July, 2019
 27 August, 2019
 24 September, 2019
 22 October, 2019
26 November, 2019 ChiliFeed

Board Meeting Date

1 January, 2019
 5 February, 2019
 5 March, 2019
 2 April, 2019
 7 May, 2019
 4 June, 2019
 2 July, 2019
 6 August, 2019
 3 September, 2019
 1 October, 2019
 5 November, 2019



Plymouth Congregational Church
 42nd & Ingersoll
 Des Moines
 7:00PM



You now have the option of paying for up to 3 years when renewing your membership in the DMRAA.

1 Year = \$20
 2 Years = \$40
 3 Years = \$60

See Scott Kirstein
 NØOD
 for details.

Dues are calendar year

President's Soapbox

I know everyone has likely had their fill of politics, but I'd still like to present our "State of the Union".

Once again, I have positive news regarding the state of our club. We have a decent amount of money in our account. This is largely due to your faithfulness in renewing your memberships, as well as the continued stewardship of the board. Our membership has held steady and we've begun to see new licensees attend meetings and get involved with both club and ARES events. The Hamfest was well-attended, as was Field Day.

The Chili Feed & Auction was a bit lower on gear for sale, but we had loads of tasty chili, and camaraderie and conversations abounded. Our education committee offered two one-day Technician license classes this year. These were quite successful and many people earned their first ticket. Continued learning is a very

important part of our hobby. We also sponsored a special-event HF station at the Fort Des Moines Museum for the "Massing of Colors" event.

All this success is entirely due to the efforts of those who are "pitching in". To you I offer a heartfelt "thank you, and well done".

Overall, I'm pleased with the efforts and participation of the core group which keeps all of this moving. However, we'd like to expand the core group to include more of you. Many have already served on the board or in various committees over the years. Please don't become apathetic or be satisfied with the status quo. Many of you are new to the hobby and may not be sure how you can best contribute. Please let me or any one of the board members know that you're interested and available to serve. I can assure you that there is a role for everyone -- let's see more KDØ-

and KEØ- call signs get active in the club!

I hope to see you all attend the club Christmas party. It is always a nice way to end the year and we will recognize a club member for their continued service efforts with the Winthrop Mager Award.

All the best to you and yours,

Bruce Brumm, KCØZMT
 DMRAA President

"Give me six hours to chop down a tree and I will spend the first four sharpening the axe."

— Abraham Lincoln



Don't forget to pay your 2019 DMRAA Dues



Have you
checked into a
net lately? →

ARES Nets serve
several purposes

- Operator training
- Training of Net control operators

Please check in!

Area Nets

AMES

Sunday	147.240+	7:00pm	Story County ARES Net
Wednesday	147.375+ t 114.8	9:00pm	Cyclone Amateur Radio Club

BOONE

Sunday	146.850-	8:00pm	Boone County ARES Net
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CRESTON

Sunday	443.400+ t 151.4	8:30pm	SW Iowa Amateur Radio Assn.
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DES MOINES

Sunday	145.390- t 114.8	7:00 pm	Saylorville Fellowship Net
Sunday	29.670- t 103.5	7:30 pm	Iowa Ten Meter Net
Sunday	146.610- t 114.8	8:00 pm	Central Iowa ARES Net
Sunday	146.940- t 114.8	follows ARES net	Central Iowa Technical Net
Sunday	443.400 t 151.4	8:30 pm	SW Iowa Amateur Radio Assn Net
Monday	146.940- t 114.8	7:00 pm	DMRAA information Net
Wednesday	53.250-	8:30 pm	Iowa 6 Meter Net 1.7mhz-
Thursday	146.940- t 114.8	7:00 pm	Polk County ARES Net

INDIANOLA

Saturday	146.60- t 114.8	7:30am	Warren County ARES Net
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PERRY

Monday	145.190- t 114.8	8:00pm	Dallas County ARES Net
Monday	145.190- t 114.8	follows ARES net	HARC Net

STATEWIDE NETS

Sunday	444.725+	7:30 pm	Iowa DMR User Group Net
Monday—Saturday	3,970	12:30pm & 5:30pm (6:00pm summer)	Iowa 75 Meter Traffic Net
Sunday	3,970	5:30pm (6:00pm summer)	Iowa Traffic and Emergency Net



Amateur Radio Testing Sessions



Des Moines 1:00pm

January 20, 2019
March 17 2019
May 19 2019
July 21 2019
September 15 2019
November 17 2019

Registration starts at 12:30 PM (no admittance after 1pm) Location: Johnstone Supply Classroom (2nd floor) 11000 Justin Drive Urbandale, IA 50322

Contact: Rick Allen NØCFL
(515) 795-2162

Ames

December 1st, (Saturday) @
10:00 a.m. in 1220 Howe Hall

Location: Iowa State University campus, as noted above
Contact: Matthew Nelson, KBØMGQ, 515-984-0010 , or email at kb0mgq@gmail.com

Boone 9:00am

February 9, 201
April 13, 2019
June 8, 2019
August 10, 2019
October 12, 2019
December 14, 2019

Time: 9:00 AM
Location: Conference room behind the cafeteria at the Boone County Hospital, 1015 Union St, Boone, Iowa

Contact: Steve NØNEU
(515) 432-4006

Marshalltown 9:00am

March 2, 2019
May 4, 2019
August 3, 2019
December 7, 2019

Check-In: 9:30 AM
Exam Starts: 10:00AM
Location: RACOM Corporation 201 West State Street Marshalltown, IA

Contact:
Brian Krumm, NØMXK
n0mxk@arrl.net

Time to find a new home for your extra gear?

This Buy, Sell & Trade page may be your answer. This service is offered to DMRAA members.

Contact
info@DMRAA.com

Looking for something?
We'd be happy to help you by listing your want items Here



Time to Eat?

Buy / Sell

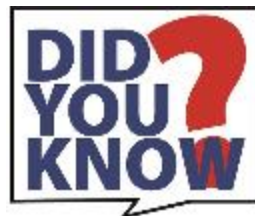
For Sale

- 1) Wouxun kg-uvd1p dual band HT (Brand New in the box)
 - 2) extra brand new battery
- Asking \$75.00



- 1) Yaesu ft-4x
 - (2 available--brand new in the box)
 - (Each with extra brand new battery)
 - (Each with extra stubby antenna)
- Asking \$80.00 each

Contact: Kevin NØIWT
(515) 266-1738



The DMRAA.COM website sees on average 150 unique visitors a week. There are 190 visits and they perform over 650 actions per week. These visitors spend approximately 4 minutes enjoying the information available for and about the DMRAA. Check us out at DMRAA.COM

Are you checking the website?

Timely news and notices are posted on the DMRAA website.
dmraa.com



Hungry and looking to meet local hams? On Fridays at the Pizza Ranch at 4954 86th St, Urbandale, a group of hams meet for lunch. This is an informal meeting and provides an excellent opportunity to

pass information while enjoying a nice selection of Pizza and Fried Chicken. The group (around 15)



usually arrives around 11:45 and breaks up at about 1:00. All are welcome, including family members.

Caution! Considerable amount of amateur radio topics will be discussed.



A note to New Hams

As the editor of this humble newsletter I'm in the enviable position to see many new and exciting things within Amateur Radio. One of the neatest observations is in the new hams that we have seen in the last year. Some took advantage of the club's One Day Technician Class and some went out and did it on their own. Each group took the initiative to better themselves. The excitement I have is the eagerness of this group to engage the hobby and service that defines Amateur Radio.

A tip of the Elmers hat to all of you. Keep up the interest and excitement. After all it is you great folks that will define Amateur Radio in the future.

73,
Tom, NØVPR



ARES Reflective Vests

Polk County ARES now has several Class 3 Level 2 Safety Vests available for purchase. These are better quality surveyor type vests with sleeves and several pockets in sizes m thru 3XL. They have the words "RADIO COMMUNICATIONS" on the back.

Cost is \$20.

Contact Tom, NØVPR

n0vpr@arrl.net

Note: You need not be a Polk County ARES or DMRAA member to purchase a vest.



Static Sheet Deadlines

Item submission deadline	Publish Date (Email sent)	Web edition posted
February 1 st	February 15 th	February 20 th
April 1 st	April 15 th	April 20 th
June 1 st	June 15 th	June 20 th
August 1 st	August 15 th	August 20 th
October 1 st	October 15 th	October 20 th
December 1 st	December 15 th	December 20 th

WØAK Board Minutes DMRAA

October Board Meeting Minutes

The meeting was called to order at 7:05pm

Bruce Brumm – KC0ZMT – President

Rick Allen – N0CFL - Board

Dennis O'Brien – KA0DOS - Board

Michael Waldron – AE0MW – Board

Bill Claypool – NU0Q – Treasurer

Lisa Payton – KN0WME – Secretary

Ray Harden – W0RAY – Board

Scott Kirstein – N0OOD – Board

Bob Johnson – W0SMS – Board

Review September minutes: Motion to approve by Scott, 2nd by Bob. Motion carried.

Treasurer's report \$21,775.48

Checks from upcoming class have not yet been deposited.

Field day expenses – We expect there to be some expenses to get field day up and running. Motion to approve expenditures was made by Scott, 2nd by Ray.

Unfinished business

Paypal – Bruce has not looked into the issue with email yet.

Polk County ARES update

2018 events and meeting schedule

Rowing regatta Sept 29 – cancelled due to flooding

Quarterly meeting Oct 8

Des Moines Marathon Oct 21 – still need operators

Living History Farms Run November 17 – still need operators

Subcommittee reports:

Hamfest – Radio City is retiring, we need a new radio vendor. Possibly KC or Milwaukee HRO

Field Day – "Always the fourth full weekend in June" Scott has reserved Yellow Banks, Dennis is going to look into alternative locations. Dennis will also make an appeal for volunteers at the next regular meeting.

The Des Moines

Radio Amateurs

Association

board meets

monthly in the

upstairs

conference

room at the

East Euclid

Hy-Vee

2540 E Euclid

Ave

Des Moines

October Board Meeting Minutes cont.

Repeaters & Packet – The Broadlawns repeater is not working. The problem has not yet been determined.

The 94 repeater is actively being worked with to locate possible interference/DE sensing source.

Education

There are 9 paid students and 2 more maybe's for the October 27 tech class. Class will be held at Ft Des Moines.

The radios have been ordered, received and programmed, at a cost of 274.60. Additional expenses for the class will be presented after the class has occurred.

Programming

August – Emergency preparedness – class was well attended and went well

September 25 – Primer for ARES involvement – Scott N0OOD – this went well

October – FT8 Digital Mode by Bill - NU0Q

November – Chili Feed – Church has been confirmed. The auctioneer has been confirmed.

December – Christmas Party – The room has been reserved for December 11, Dennis will need help setting up and cleaning up. Setup starting about 4pm.

January – magloop antennas by N0CFL

February – Weather Service Training

March – TLW Tom Weaver on Rock Climbing

Communications & Public Relations – We need to advertise on nets about nominations for Winthrop Mager club member award. Nominations need to be received by the chili feed/auction.

Membership – Nothing to report

Awards – Nothing to report

New Business

Special Event Station at Ft Des Moines Museum – November 3, sunrise to sunset.

Soliciting members to be operators and control operators. The ceremony is at 10am. We need volunteers to help set up on Friday.

Board meeting to be held at HyVee east Euclid. 7pm

Motion to adjourn by Bob. 2nd by Scott. Motion carried at 8:15pm.

*The Des Moines
Radio Amateurs
Association
board meets
monthly in the
upstairs
conference
room at the
East Euclid
Hy-Vee
2540 E Euclid
Ave
Des Moines*

2018 DMRAA ChiliFeed / Auction



2018 DMRAA Christmas Party





Des Moines Radio Amateurs Assn.
P.O. Box 88
Des Moines, IA 50301
DMRAA.org or DMRAA.com

E-mail: info@dmraa.com

Can you hear me now?

The Static sheet is bi-monthly (six per year) publication of the Des Moines Radio Amateurs Association. It is provided via email to the membership of the DMRAA. Please feel free to forward to prospective club members and interested Amateur Radio Operators.

The DMRAA is affiliated with the ARRL, The national association for Amateur Radio.



DMRAA Membership Application

Des Moines Radio Amateurs Association

Name: _____

Address: _____

City: _____, State: _____ Zip: _____

Phone Number: (____) _____ Email: _____

Call Sign: _____ Class: (E) (A) (G) (T)

ARRL Member: ? Y / N

What are your primary interests in amateur radio? _____

What are you interested in learning about? _____

How would you like to volunteer with the club? _____

Dues \$20 Single
\$60 3 Years

NOTE: Dues are for calendar year.

Mail Application and payment to
DMRAA
P.O. Box 88
Des Moines, IA 50301

