

STATIC SHEET

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AUGUST 2016

Field Day 2016

Beautiful location, great fun and mostly good weather came together June 25th & 26th for a fantastic 2016 Field Day.

DMRAA members gathered Saturday morning and set up our 3 Alpha station in a new place this year, Yellow Banks County Park. It was a bit warm but many hands make for quick work and two portable towers were erected along with a portable mast. Dean (Mr. Field Day) NØXR brought both personal and club antennas. These plus rotators lent to us by Allan, WØKWM supported a very efficient operation. A total of 1275 contacts were made during the 24 hour operational period.

The club is thankful to the folks that towed trailers Dennis KAØDOS, Kevin KØKDS, Bruce KCØZMT & Tom, NØVPR. Dennis gets a Gold Star as he had to change a flat tire! Thanks to Scott, NØOOD for the tables and chairs. Ron, KDØTTO for the smoked pork and to all that brought us food. An army cannot not run on an empty stomach! And of course to Dean, NØXR

for the computers and logging software. Field Day is truly a team event and all are invited to join the team.



DMRAA to offer 7 Week General Study Class

The DMRAA will conduct a General License class this fall. The class will be 7 weeks long and will start on Thursday, Sept. 8 and the last class, which will include the testing session on October 20.

The sessions will be held at:



Edgewater Retirement Community
Wellness Classroom
9225 Cascade Av.
West Des Moines, IA

The classes will be held in the "Wellness Classroom" and will start at 7:00 P.M. and end at approximately 9:30 PM.

The cost will include the Gordon West text book and will be payable at the first class. The books will be made available at that time.

For those interested in attending please send an e-mail to Mark Globushutz; KØMJG
at mglobuschutz@msn.com

Field Day
Photos
page 9-10





Come enjoy the fellowship

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



Upcoming Meetings

August 23rd Meeting

Presentation on JOTA, Boy Scout Jamboree on the Air. Brad Boeckmann, KC9DMQ will be discussing the preparations for the event and enlisting club members for JOTA.

Please join us August, 23rd 2016

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

Satellite Communications by Rick Allen NØCFL September 27th, 2016

7:00 PM
Plymouth Congregational Church
42nd & Ingersoll
Waveland Room, 2nd floor

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

Brad & Scott are looking for meeting ideas and presenters. Please feel free to make suggestions and offer to help with a presentation.

Brad Boeckmann KC9DMQ
brad.boeckmann@gmail.com

Scott Kirstein, NØOOD
n0ood@arrl.net



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

The July meeting was a presentation on Repeaters and Linking. Tom, NØVPR spoke about various repeater linked systems and how the linking was achieved. He also gave an in-depth slide show that gave pictures and details on virtually every repeater in the Des Moines area. That presentation is available on the DMRAA webpage
<http://dmraa.com/wp-content/uploads/2016/07/DMRAA-Repeater-Talk.pdf>



If you have any suggestions for future meetings, please contact Vice-President Brad Boeckmann KC9DMQ 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



I typically use this column to thank everyone for their help with ARES events, and encourage them to volunteer for others. This time I would like to reduce the amount of space spent doing that "housekeeping" type of thing, and just offer up a quick "Thanks," and tell everyone to "Sign up."

I wanted to spend most of our time together pointing out a "win" for Polk County ARES. Last fall we participated on the ARRL's Simulated Emergency Test (SET), and I am proud to say that we scored higher than any other county in the Midwest division! (In fact, we scored higher than the entire state of Kansas!) This contest uses a point system based on the number of amateur radio operators, communities, agencies, repeaters, etc. that were employed for the simulation.

Our SET began with an

"activation" using the county's Code Red system, and those who received the notification were asked to phone back to me for further instruction. We then deployed the ARES trailer to Camp Dodge and made radio contacts through each of the VHF and UHF repeaters in the county. Thanks to all who participated.

Accompanying this column are some photos of the new ARES Communications trailer. It is larger than the previous trailer (now labelled as EMCOM 2),



and has built in storage, as well as a separate exterior space for the generator. This trailer was

acquired through a FEMA grant administered by Polk County Emergency Management.

Thanks to the financial support of the DMRAA Board of Directors, we will be able to outfit the trailer with radios, antennas, and power supplies; and will spend the next few weeks developing a plan for their installation (measure twice – cut once).

Hopefully we will be able to deploy it for use at the Living History Farms event in November.

Once again, Thanks for all you do to support Polk County ARES

Scott NØOOD

**Additional Photos
page 12**

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



ARES MEETINGS DATES 2016

Monday, October 10
7:00 PM

**Polk County Emergency
Operations Center
1907 Carpenter
Des Moines, IA**

2016 ARES Events

Head of the Des Moines Rowing
Regatta,
September 24th, 2016

Des Moines Marathon,
October 16th, 2016

Living History Farms Fun Race,
November 19, 2016



2016 DMRAA Calendar



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

Calendar 2016-17

General Meetings and Events

23 August, 2016
27 September, 2016
25 October, 2016

22 November, 2016
Chili Feed /Auction
13 December DMRAA
Christmas Party

24 January, 2017
28 February, 2017
28 March, 2017
25 April, 2017
23 May, 2017
27 June, 2017

Board Meeting Dates

6 September, 2016
4 October, 2016
1 November, 2016
3 January, 2017
7 February, 2017
7 March, 2017
4 April, 2017
2 May, 2017
6 June, 2017
1 August, 2017
5 September, 2017



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

It's State Fair time again in Iowa. That means we're starting to wrap up another busy year.

The Hamfest was well-attended, and remains a valuable fundraiser and great social event. We're always trying to expand and improve it -- for the 2017 'fest we're looking for a vendor to provide custom embroidered garments or badges. Do you have an idea or option we could add to the event? Let us know!

Field Day turned out to be hot and humid, but relatively dry from a precipitation perspective. A lot of contacts were made and those in attendance had a great time. The importance of safety was emphasized with tower setups, lightning safety, and basic situational awareness. We'll further refine our setup in 2017.

It's time to clean up the shack! The Chili Feed and Auction is coming up fast! Look elsewhere in this publication for upcoming event particulars. There always seems to be a good selection of radios, computers, and antennas. See you there and feel free to invite your friends. During the Chili Feed we also typically encourage the payment of yearly dues. Your dues are what help keep this club running. Dues and other donations to the club are also used to fund and support Amateur Radio services such as Polk county ARES. Thanks in advance!

The club Christmas party will be held on Tuesday, December 13th. We encourage you and your family to attend. At this pot-luck dinner, we like to take this time to thank everyone for their efforts and input during the past year. Specifically, we also present the Winthrop

Mager Award. If you know of a member who has gone above and beyond to further the cause of Amateur Radio in Central Iowa, please let us know in writing no later than the November meeting -- the Chili Feed and Auction.

We, as the club governing body, would like to get your input on how the club is performing. Where do we succeed? What could we improve? It's your club and we'd like to hear your voice. Consider talking to or emailing any of the elected officials. We want to hear from you.

73,
Bruce KCØZMT

"I am in a
position to
speak my
mind.

And that is
what I
propose to
do."

Walter Cronkite,
KB2GSD SK



Bruce Brumm
KCØZMT





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	146.820 203.5 PL	6:30 pm	State Wide ICN Net (Mason City, Pella, Des Moines, Bedford)
Monday	146.940- t 114.8	7:00 pm	DMRAA information Net
Wednesday	53.250-	8:30 pm	Iowa 6 Meter Net 1.7mhz-
Wednesday	146.610- t 114.8	11:00 pm	Night Owl Net
Thursday	146.940- t 114.8	7:00 pm	Polk County ARES Net

INDIANOLA

Saturday	147.195- 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

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

September 18, 2016
November 20 2016

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
n0cfl@arrl.net

Ames

Sat. Oct. 1 – 10:00 AM
Wed. Nov. 9 – 7:00 PM
Sat. Dec. 3 – 10:00 AM

Location ISU Campus –
Building and Room TBA

Contact: George Oster,
NP2N
515-233-3535

Boone 9:00am

October 8, 2016
December 10, 2016

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

December 3, 2016

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
641-752-9658

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



Time to Eat?

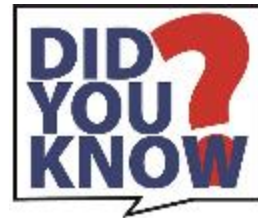
Buy / Sell

Please feel free to contact us to list and Ham related items that you would like to sell. The Static Sheet is published every two months.

We also have a Buy / Sell page on our webpage at
<http://dmraa.com/extras>

Feel free to contact us at
info@dmraa.com
to utilize these club services.

You need not be a member to list items.



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?

Keep up to date with local amateur radio news. The club website is a great resource.

Go to dmraa.org



Hungry and looking to meet local hams? On Fridays at the Buffet City on University (next to Toys R Us) 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 Chinese cuisine. The group (around 20) 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.



Who is RACES



For more information
Contact

Tom Reis, NØVPR
State of Iowa
RACES Officer
(515) 314-5666
twr@tomreis.com



RACES (Radio Amateur Civil Emergency Service) is an organization of volunteer Amateur Radio operators whose mission is to provide supplemental radio communications to state and local government during times of emergency. *Only for government, on request by and between government agencies.*

Founded under the sponsorship of FEMA (Federal Emergency Management Agency) in the 1950s, RACES original mission was to provide emergency communications for civil defense purposes. Since then, the mission has broadened to include all local, regional or national civil (but not military) emergencies, not just those which are war related. It is strictly an Amateur Radio Service and, as such, the FCC (Federal Communications Commission) regulates it. In peacetime, it uses amateur frequencies, and RACES operators have the same privileges and restrictions that are afforded to any amateur of the same class of license.

The administration and operation of RACES has been delegated by FEMA to the states. Iowa Homeland Security and Emergency Management handles RACES which is responsible for appointment of a volunteer State RACES Radio Officer. In summary, RACES is a governmentally sponsored organization, provided for in statutes at both the state and federal levels. Its members, however, are private volunteers, and all are FCC licensed Amateur Radio Operators.

To register with RACES go to
<http://dmraa.com/wp-content/uploads/2015/10/RACES-REGISTRATION-FORM310.pdf>

Follow the instruction on the form. The application must be signed by your county Emergency Manager. Please contact Tom, NØVPR with any questions
twr@tomreis.com



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

June Board Meeting Minutes

DMRAA Board Meeting Minutes

Tuesday June 7, 2016

The meeting was called to order at 7:07pm

In Attendance:

Bruce Brumm – KCØZMT – President

Mark Globuschutz- KØMJG – Board

Ron Overholser – KDØTTO – Board

Michael Waldron – AEØMW – Board

Dean Madsen – NØXR – Guest

Bill Claypool – NUØQ – Treasurer

Ray Harden – WØRAY – Board

Kevin Sanders – KØKDS – Board

Scott Kirstein – NØOOD – Board

1. Review of minutes from May board meeting

a. Ron Overholser motion to approve, 2nd by Mark Globuschutz

b. Treasurer's report -- \$22,736.54

c. Subcommittee reports

Education : planning a General class for fall

Dates/time/location TBD

Will likely be in early September

Committee is looking for additional instructors

Field Day – 25-June-2016 –

3A-Iowa; WØAK; no GOTA

Tower towing assignments made (Kevin, Dennis)

Radios (Dean,3; Kevin 1 VHF)

Bob K2DSW -- Elecraft for CW

Controllers/cables/rotators from Allen Johnson

Subway to be provided to setup workers for lunch.

Generators in ARES trailer, Bruce, KZØZMT to tow.

Lights -- Tom, NØVPR

Safety Officer -- Tom, NØVPR

Tools -- 1/2, 7/16 deep sockets; multi-screw drivers,

3/8 nut driver for clamp, hammer/sledge for tower anchors

Tables/chairs -- Scott, NØOOD nothing to report

Motion to adjourn at 8:00pm by Ron Overholser , 2nd by Ray Harden. Motion carried.

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

2016 Field Day Photos



More Field Day Photos



A word about repeater use

It is good practice to wait about a 1 second after pressing the PTT switch before you begin speaking. This allows the repeater to lock on to your signal and prevent clipping the first letter of your call sign. Equally important is to wait until you hear the repeater stop transmitting before keying up. This allows the linked repeaters to drop, thus preventing them from timing out.



Field Day

DMRAA Field Day 2016 Statistics

QSO Breakdown by Band and Mode

W0AK				
Band	CW	SSB	RTTY	Total
3.5	0	0	0	0
7	335	35	0	370
14	604	162	0	766
21	122	17	0	139
28	0	0	0	0
50	0	0	0	0
Total	1061	214	0	1275

Comparison by Year					
Year/Category	PSK31	RTTY	CW	SSB	Total
2002 (3A)					920
2003 (3A)					760
2004 (4A)					1761
2005 (4A)					650
2006 (4A)					1156
2007 (4A)					1272
2008 (4A)	0	0	658	51	709
2009 (2A)	1	0	671	243	915
2010 (2A)	0	0	671	365	1036
2011 (2A)	0	0	1163	285	1448
2012 (2A)	0	0	896	466	1362
2013 (3A)	0	5	965	241	1206
2014 (4A)	0	0	1126	174	1300
2015 (4A)	0	0	1379	111	1490
2016 (3A)	0	0	1061	214	1275
2015 – 2016 % Change	N/C	N/C	-23%	+93%	-14%

W0AK QSO Breakdown by Date, Hour and Band

Date	Hour	Total	3_5	7	14	21	28
6/25/2016	18	25	0	0	25	0	0
6/25/2016	19	94	0	0	92	2	0
6/25/2016	20	86	0	0	73	13	0
6/25/2016	21	65	0	3	59	3	0
6/25/2016	22	33	0	0	32	1	0
6/25/2016	23	31	0	25	6	0	0
6/26/2016	0	35	0	27	8	0	0
6/26/2016	1	75	0	61	14	0	0
6/26/2016	2	57	0	53	4	0	0
6/26/2016	3	55	0	53	2	0	0
6/26/2016	4	95	0	85	10	0	0
6/26/2016	5	9	0	9	0	0	0

Operators ran out of gas and shutdown during the thunderstorm

6/26/2016	13	35	0	25	10	0	0
6/26/2016	14	125	0	21	104	0	0
6/26/2016	15	132	0	6	126	0	0
6/26/2016	16	133	0	1	104	28	0
6/26/2016	17	190	0	1	96	92	0
Total		1275	0	370	766	139	0



Other Iowa stations worked: W0FLS, W0GQ, W1S, N0XWJ, KC8R

Keyboard Tip

On Windows based computers you can make a Ø (slash zero) with a keyboard short cut. While holding the alt key down type 0216. This will give you the familiar Ø in your call sign. Note: this only works with a desktop keyboard. On a laptop you will need to insert a symbol.

ARES EMCOMM 1





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

