

STATIC SHEET

OFFICERS

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

BOARD

- Rick Allen, NØCFL
- Ray Harden WØRAY
- Bob Johnson, WØSMS
- Scott Kirstein NØOOD
- OPEN
- Mike Waldron AEØMW

IN THIS ISSUE

ARES 3

Calendar 4

President's
Soapbox 4

Testing &
Nets 5

Board
Minutes 8 -
11

Membership
Application 16

PAGE 1

JUNE 2018

Field Day 2018, A Time to Play Radio Away From Home That IS!

You know that you have been thinking about it. What are you doing for Field Day 2018? We at the Des Moines Radio Amateurs Association have the perfect answer. Come join us at Yellow Banks County Park for a fun filled 24 hours of fun and fellowship. Set-up

Ron Hobbs NØXWI Receives 2018 Bob Evans Award

Ron Hobbs NØXWI was awarded the 2018 Bob Evans award at the recent DMRAA Hamfest. The Bob Evans award is given to an Amateur Radio operator who has given great service to the Ham community. The recipient need not be a DMRAA member. Several members of the DMRAA board commented on Ron's unselfish efforts to promote our hobby. He certainly sets a standard of service we can all follow.



begins Saturday morning at 9:00AM with operating commencing at 1:00PM. The event then continues for the next 24 hours. All DMRAA members and guests are encouraged to attend and to also bring guests.

The club will provide snacks and drinks. Supper guests are asked to bring a dish, desert, or salad to share. BYO Table settings. See DMRAA.com for maps and directions.

Yellow Banks County
Park 6801 SE 32nd
Ave. Pleasant Hill, IA
Shelter # 1



DMRAA Hamfest well Received

The 2018 DMRAA is now history. Planning will begin shortly to again offer this dynamic event in 2019. The DMRAA board would like to invite any club members that have suggestion for next year's Hamfest to offer those suggestion to the board to ensure we continue to provide an outstanding event. Contact and board member with your suggestions.

Have you paid
your 2018 dues?
Thank You!



Come enjoy the fellowship

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



Upcoming Meetings

**June 26th Meeting Cancelled
due to loss of meeting room**

See you at Field Day Instead!!!

July 24th, 2018
Larry KAØFTO

**EVERYTHING I KNOW ABOUT FIBER
OPTIC SYSTEMS.**

7:00 PM
Waveland Room, 2nd 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

Our April meeting featured Juan Trujillo speaking about his recent deployment with the American Red Cross to Puerto Rico. Juan captivated the audience with the real story of Amateur Radio involvement in the aftermath of hurricane Maria. Prepared with many photos Juan was able to describe in detail the response of the Red Cross and the ARRL. Originally tasked to be an interpreter for the mayor of San Juan, Juan was soon reassigned to work with the 21 amateur operators with the ARRL team.

Our many thanks to Juan for his service and for sharing the experience with the members of the DMRAA



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



See You at Field Day!!!



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



ARES MEETINGS DATES 2018

7:00 PM

Monday, July 9th
Monday October 8th

Polk County Emergency
Operations Center
1907 Carpenter
Des Moines, IA

2018 ARES Events

ARRL Field Day, June 23rd -24th, 2018
Iowa State Fair Parade, August 8th, 2018
Head of the Des Moines Rowing Regatta
September 29th, 2018
Des Moines Marathon, October 21st, 2018
Living History Farms Fun Race, November 17th,
2018

Sign-up online at DMRAA.com/ARES

2018 DMRAA Calendar



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

Calendar 2018

General Meetings and Events

21 April, 2018 Hamfest
24 April, 2018
22 May, 2018
23-24 June, 2018
ARRL DMRAA Field Day
24 July, 2018
28 August, 2018
25 September, 2018
23 October, 2018
20 November, 2018 Chili Feed
& Auction
11 December Christmas Party

Board Meeting Date

1 May, 2018
5 June, 2018
7 August, 2018
4 September, 2018
2 October, 2018
6 November, 2018
4 December, 2018
1 January, 2019
5 February, 2019
5 March, 2019
2 April, 2019
7 May, 2019
4 June, 2019
2 July, 2019



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
NØOOD
for details.
Dues are calendar year

President's Soapbox

Transitions.

This year is already almost half gone. The Hamfest is behind us, elections were held at the May club meeting, and Field Day is rapidly approaching. With the passing of these events also comes some inevitable transitions. The club membership once again unanimously approved the slate of incumbents and new board members via voice vote. Speaking for the board, I thank you for your votes of confidence.

We had a couple of board members who "retired" this year. I'd like to thank Mark Globuschutz, KØMJG and Ron Overholser, KDØTTO for their years of service. We also have a couple of new board members this year. We welcome Bob Johnson, WØSMS and Rick Allen, NØCFL to the board. We do have one open board position and one executive position, Vice President. If you're interested in serving in either of these roles, please let me or a board member know.

As I very similarly penned last year, I've agreed to serve as club president for the next year, but not beyond this election term. I've been involved with club leadership both on the board and as president for just over a decade. I've decided it is time for me to give others the opportunity to serve in these roles. This also means that we need to find new committee chairs for Hamfest and Field Day. I've coordinated these events for quite some time. As part of stepping aside, I fully expect to assist with the transition of new conscripts (er, volunteers) into these roles. That said, many of you have served in club leadership in years past, and many of you continue to serve.

I've been very pleased with those who have recently developed and presented meeting content. Having good content has kept our meetings vibrant and relevant. Amateur radio is about experimentation and learning -- trying new things. Perhaps you can try out a new role within the club?

As I've stated many times in this column, many hands make light work. Please don't be content with the status quo. Step up and take action. It is your club and your input and effort matters. The board and I will diligently attempt to find candidates willing and able to serve in the capacities mentioned. I look forward to continuing to assist and help with the various events the club sponsors. I thank you again for your continued support as we build and grow amateur radio in central Iowa.

73,

Bruce, KCØZMT

In theory
there is no
difference
between
theory and
practice.

In practice
there is.

Yogi Berra



Don't forget
to pay your
2018
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

July 15
September 16
November 18

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

No Summer sessions
announced

Location ISU Campus –
Building and Room TBA

Contact: George Oster,
NP2N
515-233-3535

Boone 9:00am

June 9, 2018
August 11, 2018
October 13, 2018
December 8, 2018

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

August 4, 2018
December 1, 2018

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

Contact:
Brian Krumm, NØMXX
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

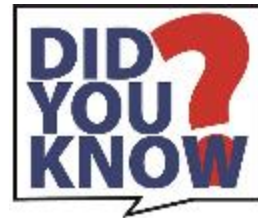
info@DMRAA.com

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



Time to
Eat?

Buy / Sell



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 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.



Strays



Digital Mobile Radio is really catching on in Iowa. There are over 40 DMR repeaters and the number is growing. We now have the ability to connect with the National Weather Service during severe weather on DMR. There are well over 500 registered DMR users in the State of Iowa and over 85,000 world-wide. Using a readily available \$75 radio you could talk to any of them. Maybe it is time for you to give it a try. With so many folks using DMR, why don't you ask one for a demo?



DMRAA Stainless Steel



We still have Limited Edition 30-ounce DMRAA Stainless Steel Travel Mugs available. These will make great gifts for anyone on your lists, and at \$20.00 each, will support the DMRAA as well. Contact Scott, NØOOD

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

April Board Meeting Minutes

DMRAA Board Meeting Minutes

Tuesday, April 3rd, 2018

The meeting was called to order at 7:05p

In Attendance:

Bruce Brumm – KCØZMT – President
~~Brad Boeckmann – KC9DMQ – VP~~
 Mark Globuschutz – KØMJG – Board
 Ron Overholser – KDØTTO – Board
 Michael Waldron – AEØMW – Board

Bill Claypool – NUØQ – Treasurer
~~Lisa Payton – KNØWME – Secretary~~
 Ray Harden – WØRAY – Board
 Scott Kirstein – NØOOD – Board
 Bob Johnson – WØSMS – Board

Review March minutes: Approved as amended. 1st, WØRAY; 2nd KØMJG – motion carried.

Treasurer's report \$19,826.50.

Unfinished business

Paypal – Still in progress, email to be payments@dmraa.com

Polk County ARES update

2018 events and meeting schedule

April 9 – HIPAA & Ham Radio Presentation

April 22 Drake half marathon

Subcommittee reports:

Hamfest – April 21, 2018

Ready to go

Previously approved wristband expense of \$15.62 reimbursed to KCØZMT

*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*

April Board Meeting Minutes cont.

- 1. Reimbursed Bruce Brumm, KC0ZMT \$567.43 Approved max \$600.00
- iii. Dstar – per Mike Waldron, AE0MW repeater is up and operational
- d. Education
 - i. A general class has been scheduled for February and March at Edgewater.
 - 1. 4 paid students, attending.
 - ii. Approved and reimbursed initial class expenses.
 - 1. Motion to approve AE0MW, second by W0RAY, motion carried.
 - 2. Reimbursed Mark Globuschutz, K0MJG \$55.11 – laser pointer/mouse
 - 3. Reimbursed Dennis Obrien, KA0DOS \$58.37 – whiteboard
 - iii. 1-Day tech class to be held in the spring, date TBD
- e. Programming
 - i. January – Multi mode radios – Ray Harden – W0RAY – was very well received.
 - ii. February – Weather Service Training, has been confirmed with Tom and the church
 - iii. March – PowerFilm Solar
 - iv. April – TBD
 - v. May – Elections and Dayton Travelogue by Mike, AE0MW
- f. Communications & Public Relations – Nothing to report
- g. Membership – Still needs to be updated
- h. Awards – There were no nominations for the Winthrop Mager award
- 6. New Business
 - a. Kevin Sanders had to resign board position due to other commitments.

President, KC0ZMT appointed Bob Johnson, W0SMS to fill term until 2019 election.

Motion to adjourn by KD0TTO. 2nd by AE0MW. Motion carried at 8:08pm.

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



WØAK Board Minutes DMRAA

May Board Meeting Minutes

The meeting was called to order at 7:01pm

In Attendance:

Bruce Brumm – KCØZMT – President
~~Brad Boeckmann – KC9DMQ – VP~~
~~Mark Globuschutz – KØMJG – Board~~
~~Ron Overholser – KDØTTO – Board~~
 Michael Waldron – AEØMW – Board
 Bill Claypool – NUØQ – Treasurer

Lisa Payton – KNØWME – Secretary
 Ray Harden – WØRAY – Board
 Scott Kirstein – NØOOD – Board
 Bob Johnson – WØSMS – Board
 Rick Allen – NØCFL – Guest

Review April minutes: Motion to approve as written by Scott, 2nd by Bob. Motion carried.

Treasurer's report \$22,368.67

Hamfest report: Attendance was down but was close to past years. Table sales were down as well.

We discussed how to increase table sales at future Hamfest events.

Unfinished business

PayPal is still in the works

Polk County ARES update

2018 events and meeting schedule

Half marathon went well

May 12 – still need volunteers for new positions at Market to Market

June 2 – need volunteers to Dam to Dam

There were a few trailer deployment issues during Stable Mercury, a generator overheating and a step stool broken.

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 Hy-Vee
 2540 E Euclid
 Ave
 Des Moines*

May Board Meeting Minutes cont.

Subcommittee reports:

Hamfest – no report. 3rd Saturday in April

Field Day – June 23-24, 2018 – "Always the fourth full weekend in June"

Reconfirmed Yellow Banks reservation. Both trailers are available. Kevin has the supply box and Dean and Brad have radio stuff. We do not have a commander at this point.

Repeaters & Packet – No report

Education

1-Day tech class to be held on 16-June. \$100 includes book, radio and testing

Programming

May – Elections and Dayton Travelogue by AEØMW

June – TBD

July – TBD

August – Emergency Preparedness by NØOOD

September – TBD

October – TBD possible kit build

November 20 – Chili Feed/Auction

December – Christmas Party

Communications & Public Relations – Nothing to report

Membership – Nothing to report

Awards – Nothing to report

New Business

none

Motion to adjourn by Mike. 2nd by Bob. Motion carried at 7:54pm.

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What do get for \$5.29?

By KAØFTO Larry

What do you get for \$5.29? You get a flashlight that requires just one Double A battery. Many small flashlights use 3 each Triple A. Really you get TWO flashlights in the package. I of course used an Alkaline battery. I wanted to know how long the battery would last. The flashlight is actually made out of metal 3 3/4" long and has an unrecognizable bulb!

I started with a fresh NORTH TECH old Orange and Black style Alkaline battery. Open circuit start voltage was 1.61 Volts. After being on for 16 hours there was still light (see figure 4) and pulling the battery and measuring it showed .75 Volts. It could have been used longer but was much dimmer but still a white light. I had no way to measure the current but obviously was low compared to my testing of batteries at another time. Another test with a Carbon-Zinc battery ran 9 hours with the voltage dropping to .7 Volts.

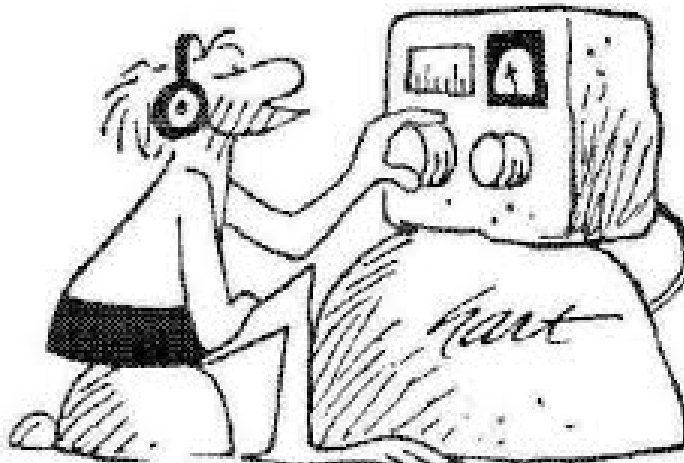
Fig 1 through **3** showed the light still on.

Fig 4 photo was taken in a lighted room right before I removed the battery to measure the voltage.

Fig 5 Photo taken with new battery.

So why talk about a FLASHLIGHT? As some of us get older we require help and plenty of light to read small part numbers and copper foil patterns on circuit boards. This one is small and easy to carry. Note the clip to carry in your pocket.

Oh yes I purchased it a Menards.



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HOW MANY BATTERIES?

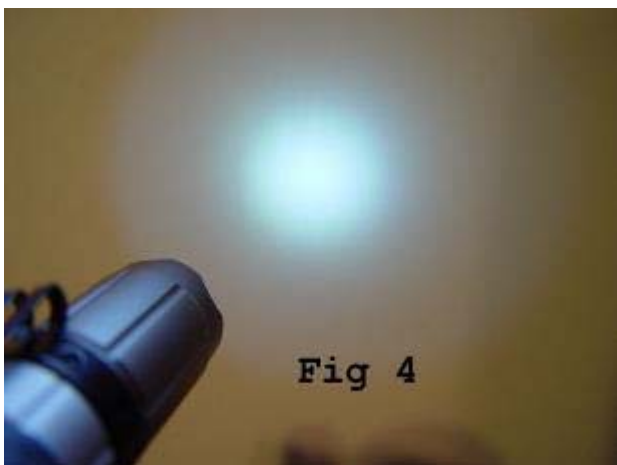
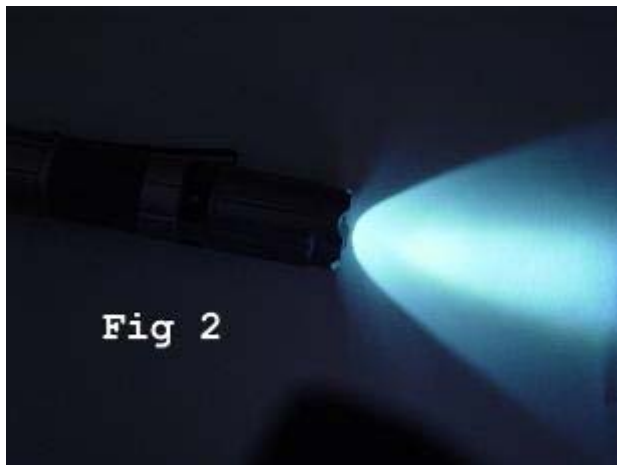
By KAØFTO Larry

Ok this is a quick test. How good are your eyes? Look at the photo and see how many different Double A Alkaline batteries you can count. Most of the 14 I used in my latest test are here in the pile. Ok so you now know 14 is not the correct number. Yes I have extra unused fresh batteries left over from my testing. Have you ever tried buying just one battery? To get the batteries in some case's I purchased as many as 48 in a pack. Most now say they have 7 years or more shelf life! Oh yes guess what the prize is and how many you win for guessing the correct amount?

Happy counting.



What do get for \$5.29? Continued



2018 DMRAA Hamfest





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

