

# STATIC SHEET

## OFFICERS

- Bruce Brumm KCØZMT  
President
- Brad Boeckmann KC9DMQ  
Vice-President
- Alisa Payton KNØWME  
Secretary
- Bill Claypool NUØQ  
Treasurer

## BOARD

- Mark Globushutz KØMJG
- Ray Harden WØRAY
- Scott Kirstein NØOOD
- Ron Overholser KDØTTO
- Kevin Sanders KØKDS
- Mike Waldron AEØMW

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JUNE 2017

## 2017 DMRAA Field Day Fast Approaching

Spring has sprung and the Hamfest is over. The mind of every radio-loving amateur now turns to one of our favorite events, Field Day. The DMRAA will be conducting Field Day operations at the Yellow Banks County Park. Please visit

[www.dmraa.com/fieldday](http://www.dmraa.com/fieldday). What is Field Day? Field Day is sponsored by the ARRL and is the culmination of Amateur Radio Week. It is a publicly-held training exercise that helps radio amateurs prepare for emergencies. Skilled work and planning is required to select radio equipment, frequencies, and antennas to facilitate operating under less-than-ideal conditions. During Field Day, operators set up in local parks, at shopping malls, or even in their own back-

yards, and get on the air using generators or battery power. Field Day was designed to test operators' abilities to set up and operate portable stations under emergency conditions such as the loss of electricity. During the weekend, radio operators then try to contact as many other Field Day stations as possible. Build friendships with other radio amateurs, learn new skills, and make contacts with people around the world. Everyone is welcome to attend, from the serious contesteer to the unlicensed newcomer. We hope that anyone who is interested in seeing what Amateur Radio is all about will come out for Field Day and bring a friend.



## Time to Get Ready for Field Day

Are you ready for Field Day?

Now is the time to gather that special radio, wires power supply and antenna so that you have time to "check it out". As you know good preparation is the key to success. The 2017 DMRAA Filed Day is an excellent place to bring your stuff and put it to the test. For those of you with limited gear, come anyway. The club has plenty of equipment and we will need may hands to get it set-up. All Hams are invited to help set-up, operate, eat and help with the tear-down. Hopefully we'll see a large crown to enjoy the day.



1-Day Technician  
Class  
Page 12



**Come enjoy the fellowship**

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



# Upcoming Meetings

## June 27th Meeting

The June meeting will be a presentation via Skype by DX Engineering.

Mike AEØMW will host

Please join us.  
7:00 PM

Recital Hall, 3rd floor  
Plymouth Congregational Church  
42nd & Ingersoll Des Moines, IA

**7:00 PM**  
**July 25th Meeting**  
**TBD**

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

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](mailto:brad.boeckmann@gmail.com)  
Scott Kirstein, NØOD  
[n0ood@arrl.net](mailto: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

Mike, AEØMW gave a nice overview of the 2017 Hamvention. The location was new this year as the Hamvention moved to Xenia Ohio, just south of Dayton at the County Fairgrounds. Blessed with an amazing amount of rain the visitors managed to slog through the less than perfect grassy/mud lanes. The message that Mike gave was how well the sponsors of the Hamvention worked to alleviate these issues and that many of this year's shortcomings will be rectified by next year. All in all he was left with a very favorable impression. The evening began with voting for DMRAA officers and board members. All of the present board and officers remain and a voice vote approved their retention.



If you have any suggestions for future meetings, please contact Vice-President  
Brad Boeckmann  
KC9DMQ at [info@dmraa.com](mailto:info@dmraa.com)



### Giving back through community service

Scott Kirstein  
NØOOD  
Polk County ARES EC  
515 490-7414 (cell)  
[n0ood@arrl.net](mailto:n0ood@arrl.net)



# Polk County ARES



June. The beginning of summer. The longest day of the year. The planning for summer vacation is about to pay off as we travel to places - near and far. The halcyon days of summer are upon us, and it seems that we "recharge" a little bit during the month.

We are also at the middle point of our ARES event year. We have a Quarterly meeting on July 17, and our next public service event is the Iowa State Fair Parade on August 9.

We will also be supporting the DMRAA Field Day on June 24 & 25 (always the fourth full weekend in June).

As we take some time to recharge, let's also take the time for our annual equipment check. Make sure you have the latest repeaters programmed into your radios, charge your batteries (the actual batteries) and make sure they are still good, etc.

This may also be a good time to plan the next phase of your

hobby - what new mode are you looking into? Is it time to upgrade your license? Maybe you have always wanted to volunteer (you HAD to know this was coming) for an ARES event - or for one you haven't participated in before. If that's the case, feel free to go to the ARES tab on the DMRAA

website, and sign up.

One final thought - keep an eye on the weather. While we enjoy the outdoor activities that come along with the month, remember that the weather can turn pretty ugly sometimes as well. As they used to say on n NBC television show / "Be safe out there..."

73,  
Scott, NØOOD

## DMRAA Stainless Steel Travel Mug



Don't forget to bring a spare battery and use an extended gain antenna when participating in ARES events

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.



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



## ARES MEETINGS DATES 2017

7:00 PM

Monday, July 17th, 2017  
Monday, August 9th, 2017

Polk County Emergency  
Operations Center  
1907 Carpenter  
Des Moines, IA

## 2017 ARES Events

ARRL Field Day, June 24<sup>th</sup> -25<sup>th</sup>, 2017  
Iowa State Fair Parade, August 9<sup>th</sup>, 2017  
Head of the Des Moines Rowing Regatta, September 30<sup>th</sup>, 2017  
Des Moines Marathon, October 15<sup>th</sup>, 2017  
Living History Farms Fun Race  
November 18th, 2017

Sign-up online at [DMRAA.com/ARES](http://DMRAA.com/ARES)

# 2016 DMRAA Calendar



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

## Calendar 2017

### General Meetings and Events

**June 24/25 2017 Field Day**  
27 June, 2017  
25 July, 2017  
22 August, 2017  
26 September, 2017  
24 October, 2017  
28 November, 2017 Chili  
Feed / Auction  
5 December, 2017 DMRAA  
Christmas Party  
23 January, 2018  
27 February, 2018  
27 March, 2018

### Board Meeting Dates

11 July, 2017  
1 August, 2017  
5 September, 2017  
3 October, 2017  
7 November, 2017  
2 January, 2018  
6 February, 2018  
6 March, 2018  
2 April, 2018  
1 May, 2018  
5 June, 2018  
3 July, 2018  
28 August, 2018



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

### Transitions.

This year is moving by very quickly. The Hamfest has come and gone, elections were held at the May club meeting, and Field Day is fast approaching. With the passing of these events also comes some inevitable transitions. The membership of our fine club unanimously approved the election ballot of incumbents via voice vote. Speaking for the board, I thank you for your votes of confidence. 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. Over the years, I've not observed a lot of people willing to take on these leadership roles. That said, many of you have served in club leadership in years past, and many of you continue to serve. I think if we were to issue a "gold CW key" for exemplary club service, we would have to give it to Mr. Bill Claypool, NU0Q, club treasurer (for life?!). 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 ac-

tion. 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



**Bruce Brumm**  
**KCØZMT**

If there's  
anything I  
don't like,  
it's driving  
a stage-  
coach  
through  
Apache  
country.

Andy Devine  
WB6RER SK



**Don't forget  
to pay your  
2017  
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	146.820 203.5 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	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

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 16, 2017  
September 17, 2017  
November 19, 2017

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

Location ISU Campus –  
Building and Room TBA

Contact: George Oster,  
NP2N  
515-233-3535

### Boone 9:00am

June 10, 2017  
August 12, 2017  
October 14, 2017  
December 9, 2017

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 5th  
December 2nd

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](mailto:info@DMRAA.com)

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



Time to  
Eat?

## Buy / Sell

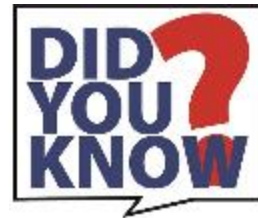
### KENWOOD TM-281 FOR SALE



Low usage and in good condition. Comes with Mic, bracket, power cord and manual.

Asking \$80.00

Contact Kevin Jones,  
KEØCWX [kej430@gmail.com](mailto:kej430@gmail.com) (515) 446-1184



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](http://DMRAA.COM)**

## Are you checking the website?

Timely news and notices are posted on the DMRAA website.  
**[dmraa.com](http://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



## DMRAA to offer Technician Class, September 23rd

More details available  
at [dmraa.com](http://dmraa.com)

or contact

Mark KØMJG at  
[mglobuschutz@msn.com](mailto:mglobuschutz@msn.com) or

Home = (515) 289-4412

Cell = (515) 201-7669

## ARRL Entry Level License Committee wants Suggestions

The ARRL has developed an Entry Level License Committee charged with suggesting changes to the current license system. These changes could give beginners experience with more bands and modes in an effort to encourage on-air activity, retention, and upgrades. The committee is also looking for ways to increase youth licensing. Please give your input to the committee by completing the survey at the link below.

Link:

<http://www.arrl.org/license-1>

## 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](mailto: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 <sup>st</sup>	February 15 <sup>th</sup>	February 20 <sup>th</sup>
April 1 <sup>st</sup>	April 15 <sup>th</sup>	April 20 <sup>th</sup>
June 1 <sup>st</sup>	June 15 <sup>th</sup>	June 20 <sup>th</sup>
August 1 <sup>st</sup>	August 15 <sup>th</sup>	August 20 <sup>th</sup>
October 1 <sup>st</sup>	October 15 <sup>th</sup>	October 20 <sup>th</sup>
December 1 <sup>st</sup>	December 15 <sup>th</sup>	December 20 <sup>th</sup>

# WØAK Board Minutes DMRAA

## April Board Meeting Minutes

### DMRAA Board Meeting Minutes

Tuesday April 4, 2017

*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*

The meeting was called to order at 7:03pm

In Attendance:

Bruce Brumm – KCØZMT – President

Bill Claypool – NUØQ - Treasurer

~~Brad Boeckmann – KC9DMQ – VP~~

Lisa Payton – KNØWME -- Secretary

~~Mark Globuscutz – KØMJG – Board~~

Ray Harden – WØRAY – Board

Ron Overholser – KDØTTO – Board

Kevin Sanders – KØKDS – Board

Michael Waldron – AEØMW – Board

Scott Kirstein – NØOOD – Board

1. Review March minutes: Motion to approve, with amendments, by Ray, 2nd by Kevin. Motion Carried
2. Treasurer's report \$ 20,767.73
  - Includes payments to Tom Reis and Brad Olk for trailer work day equipment/supplies.
  - Scott Kirstein has receipts for supplies that have not yet been turned in
3. Unfinished business
  - None
4. Polk County ARES update
  - Next meeting April 10
  - Upcoming events:
    - April 9 Fight for Air Climb
    - April 29 1/2 Marathon (Drake)
  - Still need workers for both events.
5. Subcommittee reports
  - a. Hamfest April 22, 2017
    - An email request was sent out to vendors asking them to get a state sales tax number
    - Bill will send a follow up email asking for the tax permit numbers



Discussion and vote on Bob Evans award recipient

We are full up on vendors

30 minute DMR presentation in the drape room

Repeater Counsel meeting after testing in the side room

b. Field Day – 24-25-June-2017 -- “Always the fourth full weekend in June”

Equipment is scattered, will need to be gathered

Site is reserved at Yellow Banks

c. Repeaters & Packet

No status change on fusion repeater

Work day May 6 to dryfit and possibly install at Broadlawns. Ray will check with Dale about his availability for accessing the equipment.

d. Education

no report, May class should be talked up on the nets

e. Programming

We are getting decent attendance at meetings with good programming.

April – Amateur Radio Emergency Data Network (AREDN) Matt KEØIAT

May - Elections and “Dayton” report Mike AE0MW

June - DX Engineering Tim K3LR

July - TBD

August - Emergency Preparedness

f. Communications & Public Relations - nothing to report

g. Membership – nothing to report

h. Awards – nothing to report

6. New Business

none

Motion to adjourn by Scott, 2<sup>nd</sup> by Ron. Motion carried at 7:52pm.



WØAK

# Board Minutes

DMRAA

## May Board Meeting Minutes

### DMRAA Board Meeting Minutes

Tuesday May 2, 2017

*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*

The meeting was called to order at 7:02pm

In Attendance:

Bruce Brumm – KCØZMT – President

~~Bill Claypool – NUØQ – Treasurer~~

Brad Boeckmann – KC9DMQ – VP

~~Lisa Payton – KNØWME – Secretary~~

~~Mark Globuschutz – KØMJG – Board~~

Ray Harden – WØRAY – Board

Ron Overholser – KDØTTO – Board

Kevin Sanders – KØKDS – Board

Michael Waldron – AEØMW – Board

Scott Kirstein – NØOOD – Board

Tom Reis – NØVPR – Special Guest

Dean Madsen – SØmeCall – Special Guest

1. Review April minutes: Motion to approve, with amendments, by Scott, 2nd by Kevin. Motion Carried

2. Treasurer's report \$ 20,767.73

Bill absent so no official treasurer's report. Recap of hamfest expenses and incomes.

3. Unfinished business

None

4. Field Day

June 24 and 25 at Yellowbanks Park

Dean will be unavailable until Saturday evening at the earliest. Might not be there until Sunday depending on prior commitment.

Brad has one beam antenna. Dean has the remainder of the equipment.

Bruce will fly out of town on Sunday. He is stepping down as field day coordinator. A volunteer is needed to replace Bruce. Mike suggested

Bruce write a one page sheet of reminders to assist his replacement.

Bruce is composing a poem or song to pass on the generational knowledge of field day preparations.

Discussion regarding station classification – we were 3A last year and will pursue that classification again this year.

Discussion regarding food. Club has committed to providing main meat course. Last year Ron cooked two pork loins. Volunteer needed for this year.

Discussion regarding lunch for the setup crew. Last year the sandwich vendor erred in our favor with better quality food than ordered.

Stations – 2 HF and 1 VHR station. Kevin is bringing his radio again. Question regarding Bob bringing a CW station. Discussion regarding placing the stations inside Emcom1 and Emcom2. W0SCI HF station is also available.

5. Subcommittee reports

a. Hamfest April 22, 2017

Two vendors had similar merchandise.

An unlabeled service dog was brought into the event. The president addressed the issue of the canine with its owner.

b. Field Day – 24-25-June-2017 -- “Always the fourth full weekend in June”

Discussion was held earlier in the meeting in difference to Dean.

c. Polk Co ARES

Next event is Market to Market May 13.

d. Programming

May - Elections and “Dayton” report Mike AEØMW

June - DX Engineering Tim K3LR

July - TBD

August - Emergency Preparedness

e. Education

Tech class May 5 and 6.

f. Repeaters & Packet

D-Star UHF repeater was taken off the air to put the DMR station on the air.

This will be corrected in the next few weeks. DMR repeater will move to NØINX call sign and frequency. The D-Star repeater will then be placed back on the air. Tom-NØVPR is coordinating with repeater owners to correct this. Tom is also following up with DMR users who will need help re-programming their radios for the upcoming change.

g. Membership – nothing to report

h. Awards – Dale Day received the Bob Evans award. He did not want his picture taken.

6. New Business

none

Motion to adjourn by Scott, 2<sup>nd</sup> by Mike. Motion carried at 7:36pm.

# 1-Day Technician Class

## Amateur Radio Technician Class

Offered by the Des Moines Radio Amateurs Association

This Class will prepare you to take the FCC Technician License Exam. The Friday evening and Saturday class will conclude with ARRL VE examiners administering the Technician Exam.



**Reasons to get an Amateur Radio License**

- I always wanted one.
- I want to help my community in times of need.
- I love to play with cool tech things.
- I want to Experiment
- It will drive my husband crazy
- I want to connect in a different way.
- No need to learn Morse code



**What:** Amateur Radio Technician Class  
**When:** Saturday, September 23, 2017 8:00 AM to about 7:00 PM  
 Saturday, May 6th, 8:00 AM to 6:00 PM  
**Where:** Edgewater Retirement Community, 9225 Cascade Ave. West Des Moines, IA "Wellness Room" - this is a ground level room just west of the main entrance on the South side of the facility.  
**Cost:** \$ 100.00 This includes the text book, pre-course material, lunch with drink. HT Radio  
**Testing:** Fee includes FCC Technician Class Test.

With **successful completion** of the examination each participant will receive a year's membership in the Des Moines Radio Amateurs Association.

The DMRAA philosophy concerning this Technician Class: **Yes you can!** We know that Ham Radio begins with a license and then the learning really starts. We encourage all interested person to consider this class. Enroll with a friend. There are no age restrictions as long as you are motivated.

### To Pre-Register (a must)

Individuals wanting to take the class can contact me for payment and books at:

Mark Globuschutz, KØMJG

[mglobuschutz@msn.com](mailto:mglobuschutz@msn.com)

2505 SW 36 St.

Ankeny, Iowa 50023

Home = (515) 289-4412 Cell = (515) 201-7669

Registrations with payment must be received by September 23rd, 2017

Des Moines Radio Amateurs Association [info@dmraa.com](mailto:info@dmraa.com) Or visit our webpage [dmraa.com](http://dmraa.com)



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

E-mail: [info@dmraa.com](mailto: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

