

## OFFICERS

- Tom Reis NØVPR  
President
- Kevin Sanders KØKDS  
Vice-President
- Tre' Critelli KAØFRW  
Secretary
- Bill Claypool NUØQ  
Treasurer

## BOARD

- Bruce Brumm KCØZMT
- Ron Hobbs NØXWI
- Dean Madsen NØXR
- George Noble KK7FM
- Dennis O'Brien KAØDOS
- Craig Rose KCØYHU

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## Presidents Soapbox

### Just what is the DMRAA and what do we do?

An interesting question that may be best answered by saying we do a lot and yet we could do much more! The DMRAA is only as good and as strong as it's members. That said, the goals and vision of the DMRAA are subject to interpretation and implementation.

This great organization has a rich tradition and many accomplishments since it was formed. It presently maintains 146,940 repeater, provides the Static Sheet, DMRAA Hamfest, Chili Feed and Auction, monthly meetings and encourages active participation

and growth of the Amateur Radio service.

The advantage of having a strong organization supporting hams in central Iowa is not always seen at the regular meetings. The DMRAA has been able to financially support the introduction of D-Star radio locally. We were also able to support Amateur Radio Emergency Service by helping with the signage and equipping of the new ARES trailer. The club is able to do this by using the resources of the DMRAA and the leadership of the officers and board of directors.

It is vitally important that the club balances its goals and vision while maintaining a strong membership and treasury.

What can you do?

Be involved! Encourage new hams to become members, pay your dues, come to meetings, help with Field Day, the Hamfest, the auction and other activities.

Another area is serve the club as a board member. The annual election of Officers and half of the Board will take place in May with the ballot published in April. Please feel free to volunteer for these positions. Don't wait to be asked.



## DAY BROTHERS HONORED by DMRAA

Dale Day NØINX and brother Russell Day WØDAY were the recipients of plaques given at the recent DMRAA Christmas party. The DMRAA board was pleased to recognize the many years of service given to the Des Moines area. For several years they have provided several repeaters for use by the ham community. Not many folks realize the extent of their support.

6 m, 2 m, 1.2 m, .73 m to name a few.



"You only need to see the remote base linking equipment that Dale built to appreciate his talents" noted Tom NØVPR.

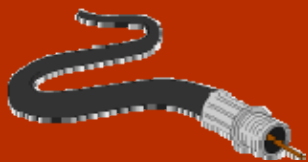
Russ has been instrumental in helping get D-Star established in Des Moines.

"Our recognition of both Russ and Dale reflects the DMRAA's commitment to support ham radio in our community" Reis said.



Come enjoy the fellowship

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



# Upcoming Meetings

## Software Defined Radio

Dean Madsen, NØXR

January 26th 7:00 PM

Plymouth Congregational Church  
 42nd & Ingersoll  
 Waveland Room

## Future Meetings

George, KK7FM is looking for meeting ideas and presenters. Please feel free to make suggestions and offer to help with a presentation.

## Did you Know?



Are you interested in helping the club? Our May meeting includes the election of officers and board meetings. If interested please contact an officer or board member so you can be considered for nomination.

# Recent Meetings

November 24th saw the club's annual Chili Feed and auction. Over 75 folks enjoyed the chili served by Dennis, KAØDOS and Tom, NØVPR.

After the chili, the auction began. Quite a bit of great radios and gear changed hands and many folks went home with new projects. Many thanks to Larry, NØBKB for bringing the auctioneer and helping buy many of the items NØVPR bid on!





Giving back through community service

Dan Miller AC0OF Iowa Section ARES EC Polk County ARES EC 515 491-0186(cell) ac0of@arrl.net

Polk County ARES Meetings Johnstone Supply Classroom (2nd floor) 11000 Justin Drive Urbandale, IA 50322



Polk County ARES



We are starting another year of Public Service. We have about 17 events this year. We have also been asked to provide a demonstration for the 100th Birthday of the Boy Scouts. It should be a very interesting year.

One thing we need to do to promote Amateur Radio is to get out and make the public aware of what we our capabilities are. We have several opportunities during the year such as Amateur Radio Day, Emergency Preparedness Month, and others. It would be nice to have some Hams set up displays to show the public what we can do. If you would like to do something, I will be glad to help organize it and give you the contact information needed. If we don't promote Amateur Radio, it will not grow. It is up to us to make it happen.

I want to thank everyone that made 2009 a great year, and look forward to an even better 2010. Polk County ARES has made a lot of progress

and I am sure that it will continue to grow and become even better.

Dan Miller AC0OF Iowa ARES Section Emergency Coordinator Polk County ARES Emergency Coordinator

GENERAL STUDY CLASS

General Classes will be held at the Johnstone Supply Classroom, 11000 Justin Drive, Des Moines, Ia. on Wednesday nights starting January 13th from 7:00pm to 9:00pm.

Contact Bill Schemmel at 515-865-1066 or wiliam.schemmel@sprint.com for more information and to register for the class.

Books must be purchased from ARRL prior to class.

Full schedule:

January 13, 20, 27

February 3, 10, 17, 24

March 3, 10, 17

Testing will be on March 21st at the same location.

ARES MEETING DATES

- April 12, 2010 July 12, 2010 October 11, 2010



2010 ARES Events

- 801 Grand Power Climb February 28 MS Walk May 8 Jordan Creek Duathlon May 16 Dam to Dam June 5 Copper Creek Triathlon June 6 Flatland Youth Festival July 10 NDMS Drill TBA Big Creek Triathlon August 8 State Fair Parade August 121 MS150 TBA Boy Scout 100th birthday Event September 17, 18 & 19 Head of Des Moines Rowing Regatta September 25 Asthma Walk TBA Des Moines Marathon October 17 Living History Farms Cross Country Race November 20

# 2008 —2009 DMRAA Calendar

## DMRAA Calendar 2009

### Software Defined Radio

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

### General Meetings and Events

26 January, 2010  
23 February, 2010  
23 March, 2010  
**24 April, 2010 Hamfest**  
25 May, 2010  
22 June, 2010  
27 July 2010  
24 August 2010  
28 September, 2010  
26 October, 2010  
**23 November, 2009  
Chili Feed / Auction**

### Board Meeting Dates

2 February, 2010  
2 March, 2010  
6 April, 2010  
4 May, 2010  
1 June, 2010  
6 July 2010  
3 August 2010  
7 September 2010  
5 October 2010  
2 November, 2010  
7 December, 2010



**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 Bill Claypool NØUQ  
for details.**

**Making a**

**change is**

**easy.**

**Making a**

**difference,**

**now there is**

**a challenge!**

## Member Profile: Tre Critelli

### Memories from thirty years in ham radio...

I was first licensed when I was 14 years old. It's hard to believe that I have been licensed more than 30 years now. I've kept the same call sign I was originally issued (KAØFRW) and wouldn't think of changing it. At one time the two-by-three calls indicated you were a newly licensed ham--now it denotes I'm an old-timer. When I think back over my time in ham radio, I recall... My earliest memory of ham radio, when I threw up all over my shoes after I took the general class test down at FCC headquarters in Kansas City. Back in 1980 you still had to go to the FCC to get a license higher than a novice. Fortunately, I passed the test on my first try so only one pair of shoes was destroyed. My most exotic memory, a real-life DX-pedition to the British Virgin Islands, where as VP2VIB I spent hours working the other end of the

pile-ups, doing my best to get novices some DX. The remaining time was spent trying to figure out how to open a coconut. Never did get that figured out. My proudest memory, when I heard a ham down in Texas repeatedly trying to reach a ham in Central America to make arrangements for the shipment of refrigerated medicine. Neither could hear each other, but I could hear both. So I did what any of us would do, hopped on and passed the traffic that actually might have made a difference and saved a life. In addition to direct experiences, I have had a lot of indirect benefits from my ham radio experience. There is no question in my mind that talking to DX stations and getting their QSL cards in the mail created a desire to travel. Thus far, I've lived in or visited eleven different countries throughout Asia, the Middle East and Europe, and practice law both here in the US and England as a barrister. Ham radio has also played a huge role in my law practice, particularly in regards to the

use of technology. My firm, CritelliLaw, p.c., was given an international award sponsored by Microsoft and others for our use of technology in the practice of law. Nick (KØPCG) and I are still on the cutting edge with our virtual law practice and other tools, due in large part to our backgrounds as hams and our lack of reluctance to take the lid off of equipment or poke around in a section of code.

The best part of my thirty years in ham radio, though, has to be the many people I have met over the thirty years, be it from working Operation Santa Claus, cooped up in an abandoned farm house down in Podunk Center, eating breakfast with the SHARCs, going to Dayton, being a part of the DMRAA or just doing some rag chewing on a summer's evening. Without the human aspect, without the friendships created in person or over the radio, my license would have lapsed decades ago. And that would have been a shame.



**Tre Critelli  
KAØFRW**



Have you checked into a net lately? →

ARES Nets serve several purposes

- Operator training
- Training of Net control operators
- Passing formal traffic

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-	9:00pm	Boone County ARES Net
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## DES MOINES

Sunday	146.940- t 114.8	8:00pm	Central Iowa ARES Net
Sunday	146.940- t 114.8	follows ARES net	Central Iowa technical Net
Sunday	146.820- t 114.8	9:00pm	ARTS Net
Thursday	146.940- t 114.8	7:00pm	Polk County ARES Net

(note) The Des Moines Sunday night nets are available thru the Shehdahl 147.075+ t 114.8 repeater

## MARSHALLTOWN

Sunday	147.135+ t 141.3	6:00pm	CIRAS Net,
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## WEBSTER CITY

Monday	147.015+	7:00pm	Hamilton County Radio Club Net
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## 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
Monday	3,990.5	5:30pm (1st Monday of the month)	Iowa RACES Net

# Amateur Radio Testing Sessions

**Des Moines 1:00pm**

March 21  
 May 16  
 July 18  
 September 19  
 November 21

Registration starts at 12:30 PM (no admittance after 1pm)

Location:  
 Johnstone Supply Classroom (2nd floor)  
 11000 Justin Drive  
 Urbandale, IA 50322

**Ames 7:00pm**

Wednesday, April 6th

7:00 PM

Location:  
 1304 Howe Hall, Iowa State campus

Contact:  
 George Oster, NP2N  
 515-233-3535

**Boone 9:00am**

February 13  
 April 10, June 12  
 August 14, October 9  
 December 11

Location:  
 Kruck P&H Warehouse Office,  
 807 6th St., Boone, Iowa  
 Talk-In: 146.850

Contact:  
 Steve NØNEU  
 (515) 432-4006

**Ankeny 2:00pm**

1st Saturday of the month,

Location:  
 Ankeny Public Library  
 1210 NW Prairie Ridge Dr.

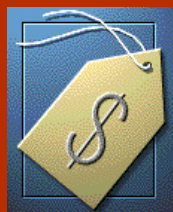
Contact:  
 Joe Leto WØIW  
 515-250-2108

## CHRISTMAS PARTY RECAP

Need 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 Tom, NØVPR  
n0vpr@arrl.net



### Time to Eat?

**Hungry and looking to meet local hams? Friday's at the City Buffet on University (next to Toys R Us) a group of hams meet for lunch. This is an informal meeting and provides a**

**n excellent opportunity to pass information while enjoying a nice selection of Chinese cuisine. The group 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.**

Three Des Moines-area amateur radio operators were honored at this year's DMRAA Christmas party. George Noble, KK7FM, was awarded the Winthrop Mager Award, while Russ (W0DAY) and Dale (N0INX) were also honored. All three hams have showed exceptional service to fellow hams and their communities.

Noble was presented the award by Wynell Mager-Kisner, the daughter of the late Rev.

Winthrop Mager, whom the award is named after.

Noble was nominated and then selected by the nomination committee for his outstanding leadership in community and youth education of amateur radio, his participation in Field Day, SKY-WARN Recognition Day, Jambo-ree on the Air, and other educational and volunteer activities. He currently serves on the DMRAA board as the program director.

Russ and Dale Day were also awarded for their contributions to the amateur radio community. The 146.61, 443.4, Grimes APRS I-Gate, and the entire KD0IAN D-STAR system are located in facilities owned by the Day brothers at no cost to the community. The Day brothers were rec-

ognized by the DMRAA board and Russ was presented the award by DMRAA President Tom Reis at the dinner.

The purpose of the Winthrop Mager Award is to perpetuate the memory of the Rev. Winthrop M. Mager W0MJH, and to stimulate the activity in all fields of amateur radio in the central Iowa area. Any radio operator with any class license who is a member of the Des Moines Radio Amateur Association is eligible. Mager would have been 101 this



Wynell Kisner presents George Noble with the 2009 Winthrop

year. The award was presented by daughter Wynell Mager-Kisner, who found out that the award was in existence through a recent web posting on the DMRAA website. Mager-Kisner spoke about her father's love of amateur radio, education, and his passion to enhance the community through innovation.

At the dinner, the group was entertained by the Plymouth Congregational Church handbell choir, who performed several holiday-themed tunes. About 50 people attended the potluck-style event, including XYL's and other family members.

ZCZC AG37  
 QST de WIAW  
 ARRL Bulletin 37 ARLB037  
 >From ARRL Headquarters  
 Newington CT December 16, 2009  
 To all radio amateurs

SB QST ARL ARLB037  
 ARLB037 Amateur Radio Bill Passes Senate,  
 Moves to the House

On Monday, December 14, S 1755 -- The Amateur Radio Emergency Communications Enhancement Act of 2009 -- passed the Senate by unanimous consent; the bill now goes to the House of Representatives for consideration. Sponsored by Senator Joe Lieberman (ID-CT), and Senator Susan Collins (R-ME), S 1755, if passed, would direct the Department of Homeland Security (DHS) to undertake a study on emergency communications.

S 1755 points out that "There is a strong Federal interest in the effective performance of Amateur Radio Service stations, and that performance must be given -- (A) support at all levels of government; and (B) protection against unreasonable regulation and impediments to the provision of the valuable communications provided by such stations."

Members of the Senate Homeland Security and Governmental Affairs Committee considered S 1755 on December 10. After it passed through Committee, it was placed on the Senate's calendar to be voted on. "We are grateful to Committee Chairman Lieberman and Ranking Member Collins for sponsoring the bill and arranging for its swift consideration and passage by the Senate," said ARRL Chief Executive Officer David Sumner, K1ZZ.

Similar in language to HR 2160 (also called The Amateur Radio Emergency Communications Enhancement Act of 2009 that was introduced this past April by Representative Sheila Jackson-

Lee [D-TX-18]), S 1755 calls on DHS to undertake a study on the uses and capabilities of Amateur Radio Service communications in emergencies and disaster relief and then to submit a report to Congress no more than 180 days after the bill becomes law. The study shall:



Include a review of the importance of Amateur Radio emergency communications in furtherance of homeland security missions relating to disasters, severe weather and other threats to lives and property in the United States, as well as recommendations for enhancements in the voluntary deployment of Amateur Radio licensees in disaster and emergency communications and disaster relief efforts and improved integration of Amateur Radio operators in planning and furtherance of the Department of Homeland Security initiatives.

Identify impediments to enhanced Amateur Radio Service communications, such as the effects of unreasonable or unnecessary private land use regulations on residential antenna installations; and make recommendations regarding such impediments for consideration by other federal departments, agencies and Congress.

In conducting the study, S 1755 directs the Secretary of Homeland Security to "utilize the expertise of stakeholder entities and organizations, including the Amateur Radio, emergency response and disaster communications communities."

S 1755 makes note of the fact that Section 1 of the Joint Resolution entitled Joint Resolution to Recognize the Achievements of Radio Amateurs, and To Establish Support for Such Amateurs as National Policy -- approved October 22, 1994 (Public Law 103-408) -- included a finding that stated: "Reasonable accommodation should be made for the effective operation of Amateur Radio from residences, private vehicles and public areas, and the regulation at all levels of government should facilitate and encourage amateur radio operations as a public benefit."

The bill also pointed out that Section 1805(c) of the Homeland Security Act of 2002 (6 U.S.C. 757(c)) directs the Regional Emergency Communications Coordinating Working Group of the Department of Homeland Security to coordinate their activities with ham and Amateur Radio operators among the 11 other emergency organizations, such as ambulance services, law enforcement and others.  
 NNNN  
 /EX



## Board Meeting Minutes

### January

On January 5, 2010, the DMRAA Board convened its monthly meeting. All members were present except for Bill Claypool, NUØQ and Dennis O'Brien, KAØDOS. One guest was present, Rick Allen, NØCFL.

Old business discussed consisted of:

- Despite the hard work of the committee, the Jordan Creek location for Field Day 2010 can not be used, so plans are being made to have it once again at Big Creek. This year a special emphasis will be made to try and alert members of the public to the event, hopefully attracting

more interest.

- The Auction/Chili feed had a good turnout. Due to Bill's absence a final report of the event will be covered next month.
  - The Christmas Party was once again a success, with a special thanks to the bell ringers. George Noble was the recipient of the Winthrop Mager Award by the daughter of Winthrop Mager.
- Club Logo Wear: the club has made arrangements so members can order items of clothing with the DMRAA logo. More info will be on the website.
- Items of new business discussed:

- Hamfest 2010 - this is the next big event and the work is starting to pick up. Rick will be covering testing, which will be held at the FFA building right next to the event site. A special presentation will be given after the testing is concluded, topic and speaker tba later. Notification is being sent to the ARRL.
  - 2010 Membership - the time for the 2010 membership drive has begun. Members are asked to bring a friend to one of the upcoming meetings, preferably someone that might be interested in becoming a member or renewing his/her lapsed membership.
- Subcommittee reports were made, with treasurer's report of \$6,805.13.

*The Des Moines Radio Amateurs Association board meets monthly in the community room at Dahl's 33rd & Hubbell*

### ARTS Auction / Spaghetti Feed

What: Spaghetti and Auction  
 When: February 21st 2010  
 Where: Sheldahl City Park Shelter  
 Time: Supper, 6:00 Auction, 7:00pm  
 Cost: Admission, \$5.00 Spaghetti, free

Bring your appetite and your gear to sell.



Amateur Radio Technical Society



# DMRAA Christmas Party



Good food, entertainment and a wonderful lesson about Winthrop Mager

# DMRAA Chili Feed & Auction



# Letters

I wanted to thank you for letting me present the award this year. After time I remember additional things I might have said, so I put together the information below. You can make changes or additions if you want.

Winthrop M Mager was Minister of Education at Plymouth Church and an avid Ham Radio Operator. He helped plan activities that sharpened the skills of the DMRAA membership. He was in Des Moines from 1958 to 1963

Some of his accomplishments were: He initiate "Operation Santa Claus" where the Ham Operators help communicate and deliver toys to the needy. He also developed an emergency response system that included a central headquarters in Fort Des Moines. He was able to get the use of an old barracks building and set up a base station for ham operators. In the event of a major disaster, he realized that ham operators might be the only communication system working. He developed activities that were fun and yet trained participants to work as a team in a disaster. One such activity revolved around person-

ally notifying a population about a disaster. He found a section of northern Polk County that was 8 miles by 8 miles square and broke it into a grid. The Ham Operators were then assigned a section of the grid and asked to make contact with every household in their grid. They would report back to the base station with the result of the contact--home/not home .

He thoroughly enjoyed his radio and his family learned to live with his hobby, whether it was the car with all the antennas, the neighbors complaints about his signal coming over their TVs, or his sheer delight when he hit a skip just right and talked to somebody in another part of the world.

On May 25th, 1963 he had a massive heart attack and passed away at age 54. His death was a surprise to all as he had passed a physical 2 weeks before in good health. His funeral, through Dunn's Funeral Home, was the largest funeral they had organized, with Plymouth Church sanctuary full and hundreds at the graveside

service. Memorials were designated to go to a window in the church. Not all windows were completed with stain glass at that time. The third window from the front of the church on the eastside is the Winthrop M Mager window.

The DMRAA wanted to memorialize Win in a different way. They chose to create the Win Mager award. The award is to be presented each year to the nominated member who has best served the organization and shows the values that Win Mager gave to the organization: Volunteerism, commitment, humor, creativeness, imagination, initiation, and most of all, love for the Ham Radio.

Wynell Kisner



## Iowa Legislature, Proposed Bills

With the Iowa legislature in session for only a couple weeks, new bills creating restrictions on cell phone use while driving are in the transportation committee in both the House and the Senate.

Two bills, House File 2020, and Senate File 190, both aim to restrict the use of cell phones unless they are used in conjunction with hands-free devices.

Gov. Chet Culver, speaking on a taping of Iowa Public Television's Iowa Press, said he believes legislators will be able to compromise and get a bill on his desk restricting use of cell phones. Culver also said he would sign the bill into law, but doesn't support a full-on

ban on cell phones use while driving.

Only one of the bills, SF 190 authored by Sen. Joe Bolkcom, D-Iowa City, explicitly excludes FCC-licensed amateur radio operators:

1 14 c. This subsection does not apply to the use of an amateur

1 15 radio by a federally licensed amateur radio operator.

HF 2020, co-authored by Reps. Ako Abdul-Samad, D-Des Moines, and Curt Hanson, D-Fairfield, does not explicitly mention amateur radio, but instead mentions "cellular telephones," "wireless handset" and "text messaging" instead of a broader restriction on all two-way half- and full-duplex radio devices.

Last fall, the National Safety Council declared that there are no "significant crash risks" while operating mobile radios.

"We also have no evidence that using two-way radios while driving poses significant crash risks. Until such time as compelling, peer-reviewed scientific research is presented that denotes significant risks associated with the use of Amateur Radios, two-way radios or other communication devices, the NSC does not support legislative bans or prohibition on their use," NSC President Janet Froetscher said in a letter to the American Radio Relay League.

# HAMFEST 2010

CQ CQ CQ

ADMISSION  
ADULTS: \$6.00  
12 & UNDER:  
FREE

- Talk-in: 146.940 tone 114.8
- Free Parking
- Handicap Accessible
- Snacks and Drinks
- Convenient Restrooms

The Des Moines Radio Amateurs Association is pleased to sponsor our annual Hamfest.

Browse the wares of the featured vendors.

Sell your un-needed gear for extra cash!

Find that perfect  
**NO TAILGATING**

### Contact Us:

DMRAA  
P.O. Box 88  
Des Moines, IA 50301  
E-mail:

<http://www.dmraa.com>



Iowa State Fairgrounds  
Walnut Center Building  
April 24<sup>th</sup>, 2010 8:00am-1:00pm



## Featured Ven-



## D & L Antennas

### Flea Market

Tables: \$20.00, 1<sup>st</sup>  
\$10.00 ea additional

Contact Tom Reis, NOVPR  
for advanced reservations  
NOVPR@arrl.net

## VE Testing

Testing will be held in the adjacent FFA building.

Technician, General, & Extra exams will be offered  
Testing Fee is \$15.00

Registration: 9:00am  
Testing: 9:30am-11:45am

No one admitted for testing after 9:30am

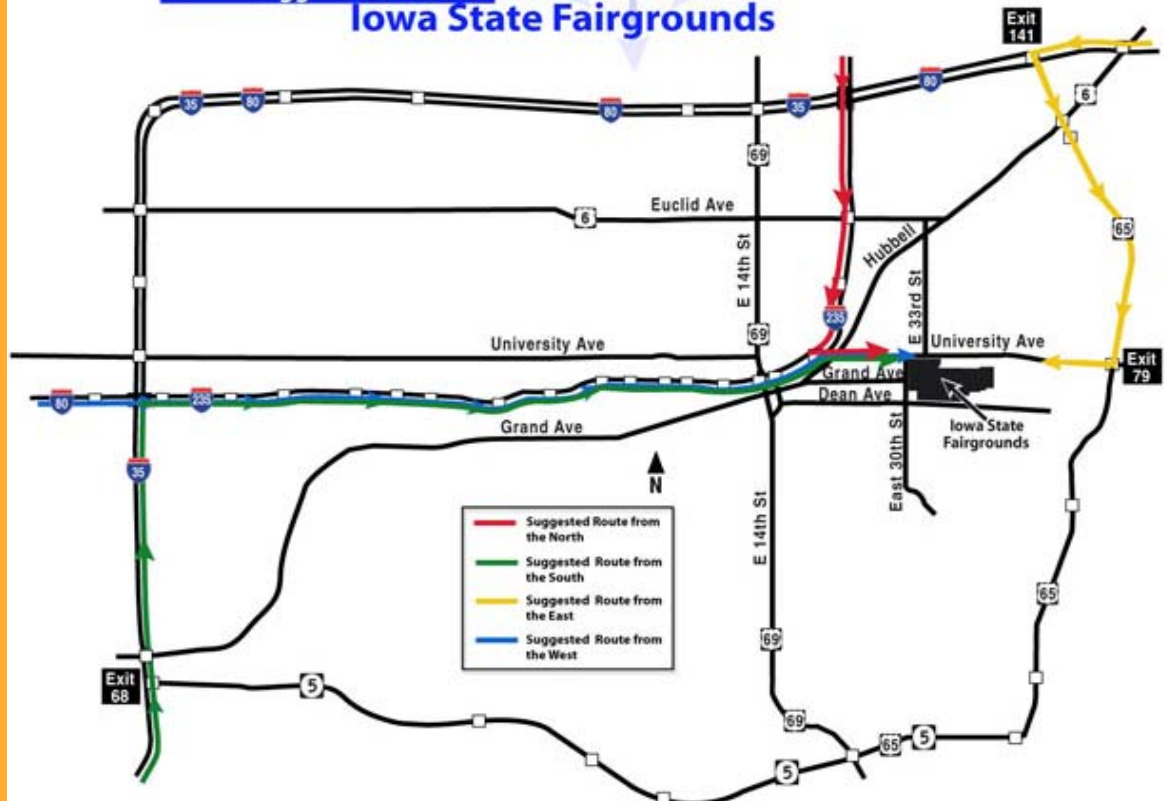


## Grand Prize

Purchase tickets at the door



## Suggested Routes to the Iowa State Fairgrounds



More Info: <http://www.dmraa.com/hamfest> [http://www.iowastatefair.com/services/fair\\_map.pdf](http://www.iowastatefair.com/services/fair_map.pdf)



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

E-mail: info@dmraa.com

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.



Can you hear me now?

# 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

Dues \$20 Single  
\$60 3 Years

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

