

OFFICERS

- Bruce Brumm KCØZMT
President
- Mark Campbell WØGZR
Vice-President
- Kirk Nelson WL7CLI
Secretary
- Bill Claypool NUØQ
Treasurer

BOARD

- Mark Globushutz KØMJG
- Scott Kirstein NØOOD
- Ron Overholser KDØTTO
- Tom Reis NØVPR
- Kevin Sanders KØKDS
- Mike Waldron AEØMW

IN THIS ISSUE

ARES 3

Calendar 4

**President's
Soapbox** 4

Testing 5

Buy & Sell 6

**Field Day
Photos** 10

**Membership
Application** 14

Field Day 2014 a Splashing Good Time

The DMRAA's 2014 Field Day is in the books. A wee bit of precipitation was overcome with just a bit of preparation. In other words rains caused a little extra work but in no way dampened the spirits. The wet weather was well forecasted and preparations were made to cover all areas (no pun intended)!

These preparations included a canopy for the two Honda generators and copious grounding for electrical and the towers. Of course the important issue of food was well handled with a great smoked brisket supper as well as numerous pot luck items. The numbers were up this year,



Saturday evening serenity



including waist sizes. A full report is shown on page 11.

Field Day is a significant undertaking, requiring many hours of planning and efforts by many good folks. Trailer towers, equipment, food and generators had to be hauled to Fort Des Moines County Park. Thirty hours later they all needed to be cleaned, repaired and returned. The club would like to thank all involved in making this happen. Please consider joining the Field Day team next year.

Thanks to all who participated.
See you next year!

DMRAA
Membership has its
privileges!





Come enjoy the fellowship

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

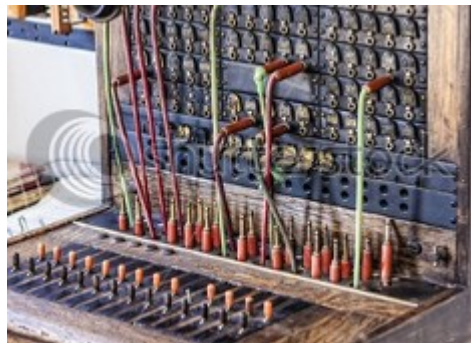


Upcoming Meetings

August 26th 7:00 PM
Plymouth Congregational Church
42nd & Ingersoll
Recital Hall
Larry, KAØFTO

"Everything I know about Digital Carrier as used by the Bell Telephone Companies"

The August meeting will feature this presentation by Larry KAØFTO



September Meeting
Fox Hunt presentation.
23rd of September, 7:00pm

Future Meetings

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

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.



July Meeting

The July meeting was the annual Show & Shine extravaganza. The highlight of the evening was the demonstration and investigation of two brand new law enforcement vehicles. We were able to see the latest in Iowa State Patrol cars. Lt. Adam Buck ISP 94 represented the patrol and offered many valued observations. Dave Lockard ,



Not everyone was behaving ➔

KAØVWV, with the Des Moines PD was able to show us the newest PD car, complete with license plate recognition cameras and LED lighting options. We are fortunate to have a great relationship with these organizations. We thank them for their time.





Giving back through community service

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

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



Polk County ARES



Usually one of the best parts of serving as the Emergency Coordinator for Polk County ARES is the opportunity to write these words for the Static Sheet. I say ordinarily because, this issue has me stumped. Faced with "writer's block" I turned to the latest issue of QST (the Public Service issue),

No, I'm not going to give you a book report on the magazine (although there are some interesting articles). Instead, I thought I would talk a little bit on the concept of "Public Service."

We do what we do through ARES for the benefit of other organizations. Obviously the race or walk organizers, the other non-profit organizations, and government agencies we work with are receiving direct benefit from our training and skill set. Additionally, each time we work together as a group, we become better at our "job" - being communicators.

My approach to any of the events we participate in is that of service. When I am approached by an organization with a new event, I ask myself a few questions before I agree to help them. "How does the organization benefit by utilizing amateur radio?" As any kid will tell you, "we have cell phones." Does utilizing amateur radio really give them any benefit beyond what they can get without our help? If their event is low impact, or has fewer participants than the number of operators needed for effective communications, I'll probably suggest to them alternate communications options rather than utilizing our volunteers. As one of the more active counties in the state, I realize you each spend a lot of time representing ARES at the events we do. I respect the time each of you dedicate to our events, I appreciate your willingness to give of your time for our hobby as well as the people we serve.

Another question I ask is, "How does the group 'grow' by working on this event?" For the upcoming NDMS drill, one of the goals I set was to utilize the Iowa Department of Public Health's HAN system for the primary communication link. The thought behind this is that in a real-world scenario, we may indeed be activated to augment staffing at local hospitals by providing communicators rather than communications equipment. This drill will give us the opportunity to utilize different hardware, but more importantly demonstrate our actual communications ability - not just our "toys."

The hope is that our professionalism within the hospital demonstrated by using "real hospital equipment" will strengthen our place within the hospital, and the service we provide will be recognized as a tangible benefit to the operation as a whole.

ARES MEETING DATES

Monday, October 13th,
7:00pm



2014 ARES Events

September 4, 2014
NDMS Exercise
September 27, 2014
Head of the Des Moines
Rowing Regatta
October 19, 2014
Des Moines Marathon
November 22, 2014
Living History Farms Cross
Country Race



2014 DMRAA Calendar

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

August 26, 2014

**Larry, KA0FTO, will tell
us about his experiences
with "Ma Bell"**



Calendar 2014-15

General Meetings and Events

26 August, 2014

23 September, 2014

28 October, 2014

25 November, 2014

Chili Feed / Auction

2 December, 2014

DMRAA Christmas Party

27 January, 2015

24 February, 2015

24 March, 2015

18 April, 2015

HAMFEST

28 April, 2015

Board Meeting Dates

3 June, 2014

1 July, 2014

5 August, 2014

2 September, 2014

7 October, 2014

4 November, 2014

6 January, 2015

3 February, 2015

3 March, 2015

7 April, 2015

5 May, 2015

2 June, 2015



**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.**

President's Soapbox

Field Day

We had some lousy weather for Field Day, but we had a successful event. The number of attendees was up over last year and even with some lengthy down-time due to thunder storms, it looks like we made plenty of contacts -- good thing we had all those CW guys! I was glad to see that everyone followed along with the safety protocols, especially with respect to lightning. We did have a near-miss with the small tower when the cable used to raise the tower sections snapped. The beam itself only fell a couple of feet and was rapidly bent back into operational shape by our enterprising members. Although the tower and beam were quickly repaired and returned to service, it still reminds us to respect the large, heavy mechanisms we're using. A ham that had recently been sitting directly underneath the main tower section on the tongue of the trailer narrowly missed getting, at the very least, a splitting headache. Be aware! The head you save may be your own!

Club Services

Ask not what you can do for your club, but rather what can your club do for you? We've been asking that very same question in recent board meetings. What are the advantages to being a member of our club? What are the values received or perceived? We host a yearly hamfest, Field Day, Chili Feed & Auction, and the Christmas Party. You get informative, timely information on the club nets. The club repeater is kept in excellent repair. We strive to provide interesting and stimulating club meeting topics. If you attended the recent "Show & Shine" event, you likely saw the latest installations of in-car law enforcement technology courtesy of the Iowa State Patrol and the City of Des Moines Police Department. And since it was hot, I know you all appreciated the ice-cream treats which were provided -- there were no left-overs! We do a lot, but we think there is more we could do, and we'd like to get your input. To that end, a couple of our board members are going to put together a survey to get an

idea of your satisfaction. We'll also be asking you what you'd like to see the club do. Please be reasonable and honest with your feedback. If you'd like to get involved with meetings or events, please let us know! I look forward to continued service with you.

73,

Bruce Brumm KC0ZMT

**"Plunk
your
magic
twanger,
Froggy!"**

**WB6RER/SK
Andy Devine**



**Bruce Brumm
KC0ZMT**



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-	8:00pm	Boone County ARES Net
--------	----------	--------	-----------------------

DES MOINES

Sunday	145.390- t 114.8	7:00pm	Saylorville Fellowship Net
Sunday	29.670- t 103.5	7:30pm	Iowa Ten Meter Net
Sunday	146.610- t 114.8	8:00pm	Central Iowa ARES Net
Sunday	146.940- t 114.8	follows ARES net	Central Iowa Technical Net
Wednesday	53.250-	8:30 p.m.	Iowa 6 Meter Net 1.7mhz-
Thursday	146.940- t 114.8	7:00pm	Polk County ARES Net
Saturday	146.940 t 114.8	7:30pm	DMRAA information Net

MARSHALLTOWN

Sunday	147.135+ t 141.3	6:00pm	CIRAS Net,
--------	------------------	--------	------------

PERRY

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

WEBSTER CITY

Monday	147.015+	7:00pm	Hamilton County Radio Club 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 21, 2014,
November 16, 2014,

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

Saturday, October 4, 10:00 AM
Tuesday, November 4, 7:00 PM
Saturday, December 6, 10:00 AM

Location: 1246 Howe Hall, Iowa State
campus

Contact:
George Oster, NP2N
515-233-3535



Boone 9:00am

October 11, 2014
December 13, 2014

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



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



Time to
Eat?

Buy / Sell



Looking for something?
We'd be happy to help

I have many fresh Canon Ink Tanks BCI-6Y, -6C, -6M, 6BK, BCI-3eBK for sale. My Canon IP5000 crashed.
Call 515-266-6799.
Larry KAØFTO

- 1) Yaesu FT-60R dual band handheld
 - 2) standard accessories
 - 3) 3 FNB-83 batteries (new in box) (3 total)
 - 4) VAC-370 1.5 hour drop in desk charger
 - 5) Diamond SRH77ca extended range antenna
- All items in mint condition



Asking \$150.00 for all
Contact Kevin, NØIWT (515)-266-1738

Tip

Want to add a Ø to your call sign text? On a standard desktop key board hold the ctrl key and type 0216 on the numeric keypad. This is a Microsoft shortcut. In MS Word you can also use the Symbol Ω found in the insert menu. The Ø is found in the list of symbols.



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](http://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.





There are several Polk
County ARES events
upcoming.
Contact
Scott, NØOOD
n0ood@thekirsteins.org
to volunteer

Hams Will Love "Thunderstruck"

Submitted by Mark Campbell, WØGZR

Erik Larson is a remarkable writer and I've read several of his books. One particular book of amateur radio interest is "Thunderstruck." In it he chronicles the development of radio and alternately and deftly moves to a murder in London.

Radio characters include Guglielmo Marconi and Nikola Tesla. Marconi was a young man in 1896 and challenged many government officials. How could a 21-year old Italian-Irishman develop a device ahead of the best and the brightest Britain had to offer? In fact, British customs officers who were on the lookout for bombs that might harm the queen, destroyed Marconi's radio when he brought it to England.

Larson details Marconi's obsession with building bigger and better transmitters that could carry vast distances, even across the Atlantic Ocean. Radio enthusiasts will be astounded to learn the length and height of antennas. But what truly astounded me was the power he generated for the transmitters. In 1902, one of Marconi's sites used a 60 kW transmitter and four 210-foot towers. And the power went higher in ensuing installations. He later admitted he could have used lower power and better antennas.

Larson details the Marconi's legal battles as well, including patent suits, his personal life and the threat of the Kaiser stealing his patent.

The story Larson weaves into Marconi's life is one of Hawley Harvey Crippen, an American medical man. It is a case of a mild-mannered, henpecked husband who dispatches his wife. His escape attempt brings the two stories together. As Crippen sails for Canada, radio telegraphy is put to work to capture him.

It is a great story made greater because it is true. If you have read Larson's "The Devil in the White City," you are already familiar with his fabulous writing and his attention to detail. That "Thunderstruck" involves the development of our hobby makes the book truly interesting.

THUNDERSTRUCK

By Erik Larson.

Illustrated. 463 pp. Crown Publishers

Ham Radio Basics - Technician Level License Class

Join the world of amateur radio and study with licensed Ham Radio instructors. You as an operator will learn the use of amateur radio equipment for enjoyment, experimentation and public service. Members of the

Des Moines Radio Amateurs Association (DMRAA) will guide you through the requirements for obtaining the entry level Technician Class License. Official "Level 1 - Ham Radio License Manual" is required.

Copies will be available at the first class for \$ 25.00. Ages 11+

Available through the Ankeny community Education.

Class Code = 101695

Thursday 9/11 - 11/20 7:00 - 9:00 pm

No class on 10/16

Ankeny High School, room 1109 at 1155 SW Cherry Street, Ankeny,
Iowa 50023

DMRAA Resumes Net

After a decades-long absence, the DMRAA has resumed a net. It's a combination of club announcements and ragchew format. While it is a DMRAA net, it is open to everyone, member or not. We use the W0AK club repeater, 146.940. Join us Saturday evenings at 7:30 p.m. We open with check-ins, then move to club announcements, then the ragchew begins. You may share your amateur radio activities, ask for assistance on a project, or list buy and sell items. Please join us on the net.

A Special Request from KØKDS

I am fundraising to support the athletes participating in Special Olympics of Iowa. SOIA serves athletes across Iowa from the Missouri River to the Mississippi River, and provides training and competitions in 23 Olympic-type sports. Almost 11,000 athletes SOIA events and competitions each year. I am supporting this organization to ensure SOIA athletes are afforded the opportunity to participate in competition that I feel is important to reach their full potential, enrich their lives, and be engaged in their communities, regardless of disability.

Not only will your donation support these athletes, but every dollar gets me closer to going Over the Edge on Wednesday, September 17, 2014, rappelling down the 26-story Financial Center in downtown Des Moines, the fourth-tallest building in Iowa. Reaching my \$1000 goal by September 1 will guarantee a rope time.

For more information or to make a secure donation online, visit <http://www.kdsanders.com/overtheedge>. All donations are tax-deductible!

ARRL Legislation

HR 4969

HR 4969 — the “Amateur Radio Parity Act of 2014” — has recently been introduced into the 113th Congress.

Support this effort: Contact your representative in Congress to ask for their support.

▶ [Learn More](#)

Get Behind
HR 4969

Join ARRL
or Renew your Membership



PEORIA SUPERFEST September 20-21, 2014



Exposition Gardens 1601 W. Northmoor Rd. Peoria IL

Amateur Radio / Computer / Electronics Show - Saturday & Sunday

Special Guest and Forum Speaker: Gordon West, WB6NOA - (Confirmed)

Grand Prize - ICOM IC-7100 – Each Hourly prize drawing includes a Yaesu FT252 (2 meter) HT

Rohn 30 foot tower to be raffled on Sunday, pick up at Superfest

Special 1-day Train the Trainer session on Friday, Sept 19 by Gordon West, see

www.w9uvi.org for details and training location

Hours

Friday: Set-up Day: 1 PM-8 PM

Saturday: Flea Market: 6 AM - Dusk

Indoor Commercial Exhibits: 8 AM - 4 PM

Sunday: Flea Market: 6 AM - 1 PM

Indoor Commercial Exhibits: 8 AM - 1 PM

Tickets Good All Weekend!

Advance Tickets \$7.00 (2 stubs)

Gate Tickets \$10.00 (1 stub)

12 and Under Free!

Order Flea Market Spaces/Advance Tickets On-Line
with PayPal® (or with MasterCard, VISA or Discover)
go to <http://www.w9uvi.org>

ADA / Handicapped Parking

We have a limited number of spaces available
Please go to www.w9uvi.org and follow the directions
on the Superfest2014 tab.

Great Hourly Prizes

Sat & Sun, starting 9 AM

**Unclaimed hourly prizes redrawn Sunday,
after GRAND prize drawing at 1 PM.**

(Grand Prize Ticket Holder need not be present)

Outdoor Flea Market Spaces

Still \$5.00/space (Approximately 20'x20')

(Renewals due by July 1 to Ensure Same Space)

Flea Market Spaces always available at the gate.

Our Website: www.w9uvi.org

**Check out confirmed commercial vendors; get
directions, hotel info and latest schedule of
Forums and other events!**

Indoor Commercial Vendors

**See website or write: Commercial Exhibits,
PAARC, P.O. Box 3508, Peoria, IL 61612-3508**

Or, e-mail w9uvi@arrl.net

Info Line: 309-692-3378

Saturday - Forums (Check www.w9uvi.org for schedule)

Saturday - FCC Testing, 11:30 A.M. – 1 PM

Sunday - High Altitude Balloon Launch

Sunday - Go-Kit and Mobile VHF/UHF/HF Installation Competition

**Advance tickets are also available at: Stewart Radio (905 E. Washington St, East Peoria),
East Peoria Jewelry/Trade (213 East Washington St.), Radio Shack, 1600 Washington Rd, Washington IL,
Electronics Diversified (100 Walnut St., Peoria) Moyer Electronics, Groveland and Rex Camera, (4923 N
Sheridan Rd, Peoria)**

TALK-IN: 147.075+ PL 103.5

Orders for Advance Tickets and Flea Market should contain a #10 SASE and must be received by Sept. 1, 2014

Name_____	QTY:	Item	Each:	Total Cost
Address_____	_____	Superfest Advance Tickets	\$7.00	\$_____
		(\$10.00 at the Gate)		
City, State, ZIP:_____	_____	Outdoor Flea Market Space	\$5.00	\$_____
		(1 Vehicle, Approx. 20'x 20')		

Make checks payable to Peoria Superfest or order online at www.w9uvi.org

TOTAL \$_____

Mail to Peoria Superfest PO Box 3508 Peoria IL 61612-3508

DMRAA Field Day 2014



See you next
year!

DMRAA Field Day 2014 Statistics

QSO Breakdown by Band and Mode

W0AK				
Band	CW	SSB	RTTY	Total
3.5	9	0	0	9
7	536	101	0	637
14	312	62	0	374
21	264	11	0	275
28	5	0	0	5
50	0	0	0	4
Total	1126	174	0	1300

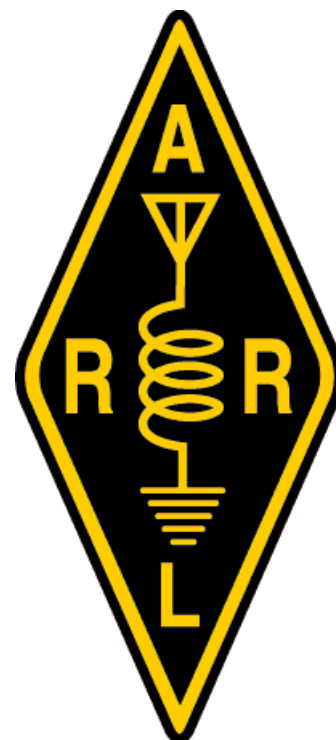
Comparison by Year					
Year/Category	PSK31	RTTY	CW	SSB	Total
2002 (3A)					920
2003 (3A)					760
2004 (4A)					1761
2005 (4A)					650
2006 (4A)					1156
2007 (4A)					1272
2008 (4A)	0	0	658	51	709
2009 (2A)	1	0	671	243	915
2010 (2A)	0	0	671	365	1036
2011 (2A)	0	0	1163	285	1448
2012 (2A)	0	0	896	466	1362
2013 (3A)	0	5	965	241	1206
2014 (4A)	0	0	1126	174	1300
2013 - 2014 % Change	N/C	-100%	+17%	-28%	8%



W0AK QSO Breakdown by Date, Hour and Band

Date	Hour	Total	3.5	7	14	21	28	Running Total
6/28/2014	18	10	0	0	10	0	0	10
6/28/2014	19	57	0	0	57	0	0	67
6/28/2014	20	43	0	0	35	8	0	110
6/28/2014	21	4	0	0	4	0	0	114
6/28/2014	22	Thunderstorm Shutdown						
6/28/2014	23							
6/29/2014	0	49	0	0	49	0	0	163
6/29/2014	1	99	0	2	97	0	0	262
6/29/2014	2	54	0	1	53	0	0	316
6/29/2014	3	72	0	47	25	0	0	388
6/29/2014	4	134	0	131	3	0	0	522
6/29/2014	5	36	0	36	0	0	0	558
6/29/2014	6	85	0	85	0	0	0	643
6/29/2014	7	6	0	6	0	0	0	649
6/29/2014	8	48	0	48	0	0	0	697
6/29/2014	9	48	9	39	0	0	0	745
6/29/2014	10	60	0	60	0	0	0	805
6/29/2014	11	37	0	37	0	0	0	842
6/29/2014	12	75	0	75	0	0	0	917
6/29/2014	13	67	0	52	4	11	0	984
6/29/2014	14	57	0	18	6	29	4	1041
6/29/2014	15	112	0	0	18	93	1	1153
6/29/2014	16	68	0	0	7	61	0	1221
6/29/2014	17	79	0	0	6	73	0	1300
Total	All Hours	1300	9	637	374	275	5	

Other Iowa stations worked: K0CQ, KD0VVL, K0MIW, W0WML



Show & Shine 2014



Show & Shine circa 1970

Rumor has it that the talented Tom Reis, N0VPR, could back this showpiece into the service station garage pictured at the tender age of 11 years old. Given the very utilitarian nature of this old truck, we suspect it was in fact many, many more years before he picked up any ladies rather than disabled vehicles. Be sure to ask Tom about this early prowess when you next see him!! The keen eye will also observe that he was accessing his near-HF privileges — that's a nice 11m whip mounted on the side.





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

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

