

OFFICERS

- George Noble, KK7FM
President
- Kevin Sanders KØKDS
Vice-President
- Kirk Nelson, WL7CLI
Secretary
- Bill Claypool NUØQ
Treasurer

BOARD

- Bruce Brumm KCØZMT
- Ron Hobbs NØXWI
- Dean Madsen NØXR
- Chuck Hoveland KDØSSH
- Dennis O'Brien KAØDOS
- Craig Rose KCØYHU

IN THIS ISSUE

October Meeting Recap 11

ARES 3

Calendar 4

President's Soapbox 4

Testing 5

Board Minutes 9-10

Membership Application 13

Annual Auction & Chili Feed

The November general meeting is the DMRAA Chili Feed and Auction at the St. Paul Presbyterian Church at 6426 Merle Hay Road in Johnston ([map](#)).

Dinner starts at 6:00pm and the auction begins at 7:00pm. The cost is \$5.00 per person for admission.

The general public/non-members are welcome, so feel free to

bring your family, friends and any extra equipment you have laying around

lection of radios for HF, VHF, and UHF, as well as lots of other elec-

tronics, antennas, kits, and books.

There will also be a photo contest at the chili feed. Bring a print of your favorite amateur radio-related picture! Your print will be returned to you at the end

of the night.



waiting to be sold! Last year we had a good se-

DMRAA Christmas Party

The annual DMRAA Christmas Party will be held on December 7 in our usual meeting location at Plymouth Congregational Church, located at 42nd and Ingersoll in Des Moines.

Dinner will begin at 7 p.m. in the Waveland Hall. It is a potluck-style dinner, so please bring a main dish and a side dish to share. The adjacent kitchen is available for those needing an oven and/or refrigerator. The club will pro-

vide a smoked ham; coffee, tea, and hot cider will also be furnished.

For those not familiar with Plymouth, there is a parking garage on the east side of the church in case of bad weather. Signage in the church will direct you to Waveland Hall, which is on the 2nd floor. Come and enjoy the food and fellowship!

The Winthrop M. Mager Award will also be presented at the meeting. The purpose of the Winthrop M.

Mager Award is to perpetuate the memory of the Rev. Winthrop M. Mager WØMJH, and to stimulate the activity in all fields of Amateur Radio in the Central Iowa Area.

Please join us for good food, friends, and entertainment at both of these holiday events with the DMRAA! If you have any questions, feel free to e-mail the DMRAA at info@dmraa.com.



Come enjoy the
fellowship

DMRAA
meetings are
the 4th

Tuesday of
the month.

Be sure and
mark your
calendars!



Upcoming Meetings

Chili Feed & Auction

November 23rd

6:00 PM Chili

7:00 PM Auction

St. Paul Presbyterian Church
6426 Merle Hay Road, Johnston
\$5.00 admission



December 1st 7:00 PM
DMRAA Christmas dinner and awards program

Plymouth Congregational Church
Waveland Rooms 1—2
42nd & Ingersoll
Des Moines

Calling all photographers!

Do you have an amateur radio-related picture you would like to enter into the photo contest at this year's Chili Feed and Auction?

Bring an 8"x10" print of your favorite amateur radio-related picture(s) to the event. We'll put it on the wall and the DMRAA board members will vote on the photograph that shows an amateur radio theme the best!

Your photo can be in color or black and white, covering any aspect of the hobby. Your print(s) will be returned to you at the end of the night, if desired.

The event will be held at St. Paul Presbyterian Church at 6426 Merle Hay Road in Johnston, same as last year.

Dinner starts at 6:00pm and the auction begins at 7:00pm. The cost is \$5.00 per person for admission. The general public/non-members are welcome, so feel free to bring your family, friends and any extra equipment you have laying around waiting to be sold!

Recent Meetings

See page 11



Fig 3.



Giving back through community service

Scott Kirstein
NØOOD

Polk County ARES EC
515 202-2244(cell)
n0ood@arrl.net

Polk County ARES Meetings

Polk County Emergency
Operations Center

1907 Carpenter

Des Moines, Iowa



Polk County ARES



By the time you read this, our ARES events for 2010 will be complete. Thanks, again to all of you for helping this past year. As we look back at the year, I would like to point out that, thankfully, something went wrong at each event.

Whether it was a handheld that doesn't have automatic offset on the UHF side of things (that's actually in the manual, by the way), or rain-soaked volunteers who also have no idea where your water stop is supposed to be, we become stronger operators, more adaptable to the surroundings, and better communicators through these "challenges."

One of the challenges we will have this next year is filling leadership positions at these various events. Some of the folks who we have always counted on to step in and make us "look good" to these served agencies by organizing our efforts, are needing to take a step back and let some of us other folks take on that part of the process. Some of you have agreed to take on various events for next year, and some of you are still thinking about it. Continue to think about it. As a group, we can provide "Elmers" to help with the newfound responsibility. Just

send me an email or give me a call and let me know which one you are interested in and we can go from there.

Below is the list of meeting dates for 2011. We are planning on meeting at the new Polk County EOC (1907 Carpenter) next year. Beginning with the January 10th meeting, we will also be offering some training opportunities. Jon Davis from Polk County emergency management will be teaching the IS-100 course. This is the first in the series of FEMA courses, and when combined with IS-700, provides a basic understanding of both the Incident Command System (ICS) and the National Incident Management System (NIMS.) I would bet we could probably talk Jon out of a tour of the new EOC as well during the meeting.

Thanks for reading . . .

73

Scott NØOOD

Meeting Dates

January 10, 2011

April 11, 2011

July 11, 2011

October 10, 2011

2011 Polk County ARES Public Service Events Schedule

Fight For Air Climb – March 27

MS Walk – May 21

Jordan Creek Duathlon – TBA

Dam to Dam – June 4

Copper Creek Triathlon – TBA

Field Day – June 25-26

NDMS Drill – TBA

Big Creek Triathlon – TBA

State Fair Parade – August 10

MS150 – TBA

Asthma Walk – TBA

Head Of Des Moines Rowing

Regatta – TBA

Des Moines Marathon – October 16

Living History Farms Cross

Country Race – TBA



ARES MEETING DATES

January 10, 2011

April 11, 2011

July 11, 2011

October 10, 2011

2010 ARES Events

Living History Farms Cross

Country Race, November 20

2011 ARES Events

Fight For Air Climb – March 27

MS Walk – May 21

Jordan Creek Duathlon – TBA

Dam to Dam – June 4

Copper Creek Triathlon – TBA

Field Day – June 25-26

NDMS Drill – TBA

Big Creek Triathlon – TBA

State Fair Parade – August 10

MS150 – TBA

Asthma Walk – TBA

Head Of Des Moines Rowing

Regatta – TBA

Des Moines Marathon – October 16

Living History Farms Cross

Country Race – TBA



2010 —2011 DMRAA Calendar

DMRAA Calendar 2010

Christmas Party 7 December, 2010

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

General Meetings and Events

23 November, 2010

Chili Feed / Auction

7 December, 2010

Christmas Party

25 January, 2011

22 February, 2011

22 March, 2011

26 April, 2011

24 May, 2011

23 April, 2011, Hamfest

24 May, 2011

28 June, 2011

26 July, 2011

Board Meeting Dates

4 January, 2011

1 February, 2011

1 March, 2011

5 April, 2011

3 May, 2011

7 June, 2011

5 July, 2011

2 August, 2011

6 September, 2011

4 October, 2011

1 November, 2011



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.

Presidents Soapbox:

At the time of this issue, we have two major holidays coming up: Thanksgiving and Christmas/New Year's. Thanksgiving is the time Americans have set aside to give thanks for the wonderful bounty this country provides us. After the nastiness of the recent electoral campaigns, it is a relief to take some time to think about the things I am grateful for. I am grateful for the governments of the world who have set aside some spectrum for Amateurs, not just for my enjoyment, but because I think it is truly a wise investment. I am grateful for the Hams who pushed me to get licensed and guided me through getting started. I am grateful for the radio clubs in Long Island, Tacoma, and Des Moines, where I have found camaraderie and support to get me some relief from my professional life. I am not altogether certain I am grateful for the circumstance that has me writing this column, but I am grateful to Tom, NØVPR, for turning the club over in such good shape. I am very grateful for the members of the Board, each of whom brings unique insight and enthusiasm to the job, and makes being part of the club enjoyable for all. And I am grateful for the club members who support the club by participating in meetings and events. As I have said, it is by sharing in the experiences

and learning that we derive meaning from our activities. Participation breeds participation, so please keep joining in.

For Christmas, I would like to focus on the new life aspect. I think it is no accident that Christmas happens just four days after the winter solstice—probably the first day the ancients could be sure that the sun was not dying. Some HAMS are experiencing similar relief as the sun spots are beginning to return. As part of the new life celebrated in Christmas, many of us make New Year's resolutions to reexamine our own lives. I think this is also an opportunity to consider new growth in Ham Radio. Let's consider setting goals for the next year. For the Techs in the club, maybe it is time to upgrade. Bill Schemmel, WA0TYQ, is going to be starting his General license class January 13th and you might really enjoy exploring the world of HF. Generals might consider an Extra class upgrade. Code is no longer a requirement for any license but many Hams are learning that it is still a fun skill to have. Some members have kicked around the idea of having a Morse code study group to learn/improve their code. How about building something? There is something very satisfy-

ing about using a circuit or an antenna you built yourself. It will certainly help you to understand better how/why things work. There are plenty of good kits or plans in QST or on line. For the more adventurous, the ARRL has a challenge to design and build a 10/6 meter transceiver (details in Nov. QST). Another place to challenge yourself is in operating. Push yourself to take a bigger role in an ARES event. It would enhance your confidence while enlarging the "pool of trained operators" (part 97). Instead of just checking in weekly, try net control on one of the many nets. Perhaps challenge yourself with an operating award such as WAS. Some of these projects may seem overwhelming to an individual, but if you look in the club, you may find a kindred soul to help share and encourage your growth. I would love to see multiple small groups blossoming within the club and I only regret that I wouldn't have enough time to participate in all of them. So, please, challenge yourself in at least one aspect of amateur radio, and share it with other club members. Participation is key. As the NY state lottery used to say, "You gotta be in it to win it".

**Making a
change is
easy.
Making a
difference,
now there is
a challenge!**



**George Noble
KK7FM**



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
--------	----------	--------	-----------------------

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,
--------	------------------	--------	------------

PERRY

Monday	146.610- t 114.8	8:00pm	Dallas County ARES Net
Monday	146.610- 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
Monday	3,990.5	5:30pm (1st Monday of the month)	Iowa RACES Net

Amateur Radio Testing Sessions

Des Moines 1:00pm

November 21

December 2 (Merrill Middle School, end of Technician class)

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 7:00pm

Location:

1304 Howe Hall, Iowa State campus

Contact:

George Oster, NP2N

515-233-3535

Boone 9:00am

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.

Ankeny, Iowa

Contact:

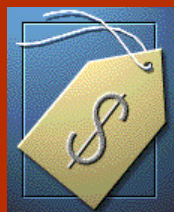
Joe Leto WØIW

515-250-2108

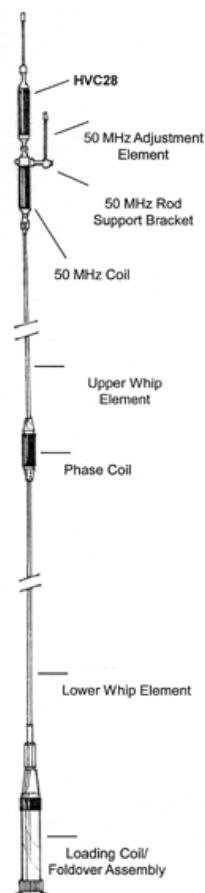
Need to find a new home for your extra gear?

The Buy, Sell & Trade page may be your answer. This service is offered to DMRAA members.

Contact
Tom, NØVPR
n0vpr@arrl.net



Buy / Sell



FOR SALE Diamond model HV 7A mobile antenna, brand new never used multi HF/VHF bands \$50.00
10% will be donated to the club.
Richard ACØPY 243 9567

STUFF

Summary of the DMRAA auction rules:

Generally, there is a 10% commission that goes to DMRAA. There is also a 50 cent minimum commission. For items selling for \$5 or more, DMRAA keeps 10% of the price. For items less than \$5, DMRAA keeps 50 cents.

There is no minimum bid. If you don't want your item to sell because the bid is too low, you must bid to buy the item back yourself. If your bid wins, that's called a buyback. There is a 50 cent charge for the buyback regardless of the amount of the bid.

Items will not be sold for less than \$1. If nobody bids on an item, it may be combined into one lot with other items of the seller.

Ultimately, if nobody bids, the lot will be added to 'the pile'. At the end of the auction, the pile will be auctioned. If it doesn't sell, the items will be discarded.

Is this the Time?

Is this the time for you to volunteer?
The question is often asked "What can I do to help?"

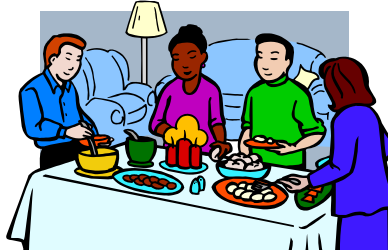
Several things come to mind:

- Living History Farms Cross Country
- DMRAA's Chilifeed / Auction
- DMRAA's Christmas Party

Time to Eat?

Hungry and looking to meet local hams? Friday's 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 usually arrives around 11:45 and breaks up at about 1:00. All are welcome, including family members.

A whole new meaning to losing your marbles....

Friendship is a strong and habitual inclination in two persons to promote the good and happiness of the other -

'3900 Saturdays'

The older I get, the more I enjoy Saturday mornings. Perhaps it's the quiet solitude that comes with being the first to rise, or maybe it's the unbounded joy of not having to be at work. Either way, the first few hours of a Saturday morning are most enjoyable.

A few weeks ago, I was shuffling toward the garage with a steaming cup of coffee in one hand and the morning paper in the other. What began as a typical Saturday morning turned into one of those Lessons that life seems to hand you from time to time. Let me tell you about it:

I turned the dial up into the phone portion of the band on my ham radio in order to listen to a Saturday morning swap net. Along the way, I came across an older sounding chap, with a tremendous signal and a golden voice. You know the kind, he sounded like he should be in the broadcasting business. He was telling whom-ever he was talking with something about 'a thousand marbles..'. I was intrigued and stopped to listen to what he had to say.... 'Well, Tom, it sure sounds like you're busy with your job. I'm sure they pay you well but it's a shame you have to be away from home and your family so much. Hard to believe a young fellow should have to work sixty or seventy hours a week to make ends meet. It's too bad you missed your daughter's 'dance recital' he continued. 'Let me tell you something that has helped me keep my own priorities.' And that's when he began to explain his theory of a 'thousand marbles.'

'You see, I sat down one day and did a little arithmetic. The average person lives about seventy-five years. I know, some live more and some live less, but on average, folks live about seventy-five years.

'Now then, I multiplied 75 times 52 and I came up with 3900, which is the number of Saturdays that the average person has in their entire lifetime. Now, stick with me, Tom, I'm getting to the important part.

It took me until I was fifty-five years old to think about all this in any detail', he went on, 'and by that time I had lived through over twenty-eight hundred Saturdays.' 'I got to thinking that if I lived to be seventy-five, I only had about a thousand of them left to enjoy. So I went to a toy store and bought every single marble they had. I ended up having to visit three toy stores to round up 1000 marbles I took them home and put them inside a large, clear plastic container right here in the shack

next to my gear.'

'Every Saturday since then, I have taken one marble out and thrown it away. I found that by watching the marbles diminish, I focused more on the really important things in life.

There's nothing like watching your time here on this earth run out to help get your priorities straight.'

'Now let me tell you one last thing before I sign-off with you and take my lovely wife out for breakfast. This morning, I took the very last marble out of the container. I figure that if I make it until next Saturday then I have been given a little extra time... And the one thing we can all use is a little more time.'

'It was nice to meet you Tom; I hope you spend more time with your family, and I hope to meet you again here on the band. This is a 75 Year old Man, K9NZQ, clear and going QRT, good morning!'

You could have heard a pin drop on the band when this fellow signed off. I guess he gave us all a lot to think about. I had planned to work on the antenna that morning, and then I was going to meet up with a few hams to work on the next club newsletter.

Instead, I went upstairs and woke my wife up with a kiss. 'C'mon honey, I'm taking you and the kids to breakfast.' 'What brought this on?' she asked with a smile. 'Oh, nothing special, it's just been a long time since we spent a Saturday together with the kids. And hey, can we stop at a toy store while we're out? I need to buy some marbles.

A friend sent this to me, so I to you, my friend.

And so, as one smart bear once said.....'If you live to be a hundred, I want to live to be a hundred minus one day, and so I never have to live without you.' - Winnie the Pooh.

Winthrop Mager

Past recipients

1964	John Moffet	WØSVD
1965	Lee J. Roy	WØUDO
1966	R.W. Denniston	WØDX
1967	Robert M. Evans	WØAUL
1968	Kenneth Woody	KØSWE
1969	Warren Huffman	KØCVT
1970	A.W. "Red" Kruse	WØLCX
1971	Thomas R. Fergus	KØQXT
1972	Dale White	KØQXL
1973	Richard Witt	KØIDJ
1974	Wayland Osborn	WØRRG
1975	Harold Rosenberg	WØIYW
1976	Bryon W. Mann	WØSEJ
1977	Warren Bensley	WAØITC

1978	Ray Stanley	K5RRS
1979	Carmi Smith	WAØJOC
1980	Gary Liljegren	WØSH
1981	Charles Corcoran	KD9UD
1982	Robert McCaffrey	KØCY
1983	Ronald Kinton	WBØMBZ
1984	Harris "Mike" Golden	KØGHD
1985	Bob Heitman	WDØDOK
	Marsha Heitman	KAØJZF
1986	Jim Snapp	NAØR
1987	Bob Jimmerson	KAØOMM
1988	John Sawhill	WAØO
1989	Al Peterson	KCØKZ
1990	Don Boyvey	KDØBG
1991	Harold Ober	NØHZK
1992	Don Schmidt	WØANZ
1993	LaRue "Irish" Olson	WAØATI
1994	Leroy Koder	WDØCZO
1996	Bill Claypool	NUØQ
1986	Duane Bower	WDØUC
	Melanie Bower	KBØJSD
1998	Jim Case	KIØIP
1999	Maggie Harmon	KBØZBL
2000	Dave Johnson	NØLVA
2001	Ron Hobbs	NØXWI
2002	JoAnn Deaton	KCØBTV
2003	Don Whitmer	KCØWJ
2004	Mike Greenwood	KC4VG
2005	Dan Miller	KCØFRL
2006	Kim England	KCØTH
2007	Tom Reis	NØVPR
2008	Lowell Abarr	KB6SDI
2009	George Noble	KK7FM

The purpose of the Winthrop Mager Award is to perpetuate the memory of the Reverend Winthrop M. Mager WØMJH, and to stimulate the activity in all fields of Amateur Radio in the Central Iowa Area. It is awarded by the Des Moines Radio Amateur Association, Des Moines, Iowa. Any radio operator with any class license who is a member of the Des Moines Radio Amateur Association is eligible. Nominations will be submitted to the committee in writing no later than the regular November meeting.

Nominations for the Annual Winthrop Major Award need to be sent to the DMRAA President no later than the November meeting. They must be in writing. The President will give the nominations to the Committee for processing at that time. Nominees are those Amateur Operators that have shown outstanding support for Amateur Radio, promotion of the Amateur Radio Service and have done so with the utmost respect for the community and fellow operators.

Please submit your nominations soon!

Are you guilty?

I just opened an email from a friend and noticed that in the TO: box there were over a hundred names. The email was a joke and had been forwarded several times. It seems that the volume of junk mail keeps increasing.

I have made it my goal not to forward mail with the addresses of other folks. It only takes a minute to strip the addresses from the email and use the Bcc: option. Bcc: means Blind Carbon Copy. Below is a screen shot of MS Outlook.. You may need to find the option in other email programs, but they do exist.

I recently changed my email address because of the over 100 pieces of junk mail a day. Think about it! NØVPR

Advice from Facebook

Using the "BCC" line in a new email lets you hide its list of recipients. Everyone receives the mail - but they don't see everyone else who got it. Only you, the sender, can see the list.

Using the "TO" line, on the other hand, reveals your friends' personal email addresses to people they don't want to know, including thousands of spam robots that harvest those addresses and then spam them.

You may not mean to, but if you use TO in a group email, you just bought your friends years of spam.

General Class

General Class is set for January 12 - March
16 Wednesdays
7 PM to 9 PM

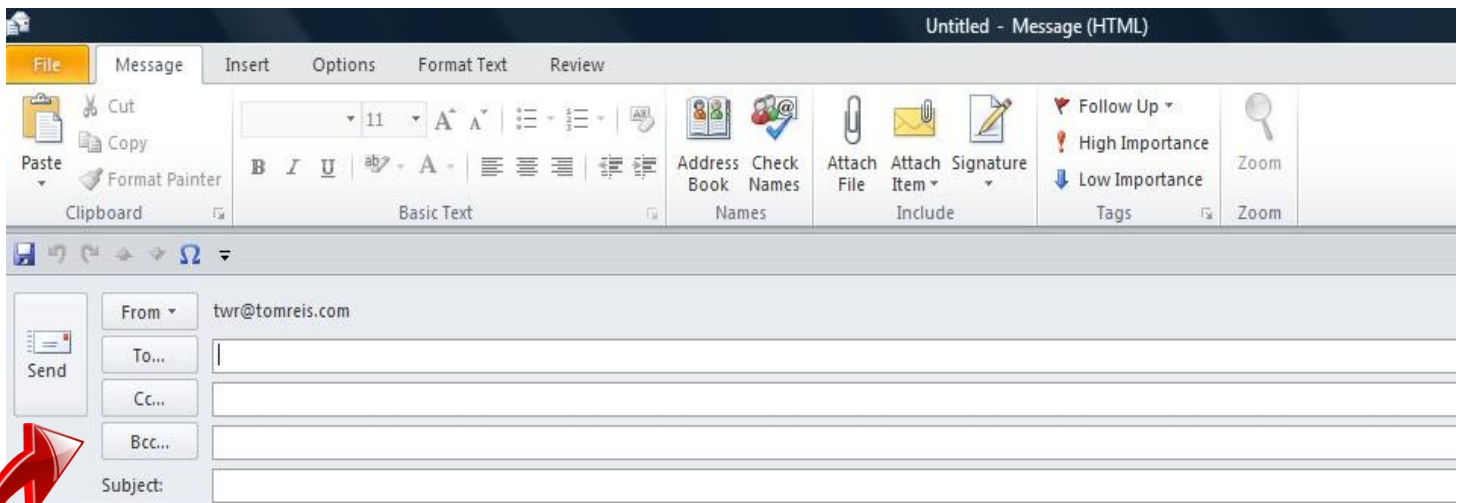
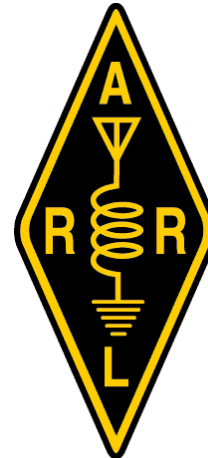
Johnstone Supply Warehouse 11000 Justin Dr. Ur-
bandale

Buy your own ARRL General License Manual

You must already have a Technicians Class License
Cost is \$0

Bring a friend

Contact Bill Schemmel WA0TYQ (515) 865-1066 or
WA0TYQ@aol.com for more information and to regis-
ter for the class.





Board Meeting Minutes

Minutes – October 5, 2010

The meeting convened at 7:00 p.m. with all elected officers and board members in attendance with the exception of Chuck Hovland, KDØSSH and Dean Madsen, NØXR.

Guests in attendance:

None

Review of Last Meeting Minutes:

The September Board Meeting minutes were read and approved.

Old Business:

Chili Feed: It was reported that all preparations were complete.

ARRL affiliation: Kirk Nelson, WL7CLI, reported on the club's ARRL affiliation. The club is affiliated but the information needs to be updated. The club is not listed as a Special Service Club, an application will be completed and submitted to the ARRL.

New Business:

No new business was introduced.

Treasurer's Report:

\$7,493.35

Subcommittee Reports:

Program: October's program will be on Radio Controlled modeling. No special program for November or December.

January's program will be on Digital communications equipment set up by WL7CLI. February's will be by the NWS.

Communication/PR: An article was submitted by Tom Reis, NØVPR, about the recent Boy Scout event and the club's participation. The club's web page has been brought up to date for events. The Iowa QSO party will be on 10/16/2010.

Hamfest: The facilities at the State Fair Grounds have been reserved for 4/23/2011.

Field Day: Colby Park in Winsor Heights was discussed as an alternate site for field day.

It has a large stage area, public restrooms, good parking and is more visible to the public.

Education: The Technician class is on line and already has 9 people registered. Waukee Department of Education became aware of the DSM class and would like the club to provide a class for their Spring session, February to May.

Repeaters: Two radios were purchased for the packet station.

Membership: New membership forms were discussed to better gather interest, talents, and capabilities of members.

That time of year to start a push for renewing membership.

Christmas Party: All on track with location and preparations. The entertainment has been lined up.

Chili Feed/Auction: Details have been placed on the club's web page.

Awards: Nominations are requested

Other Business:

The meeting adjourned at: 8:52 p.m.

The Des

Moines Radio

Amateurs

Association

board meets

monthly in the

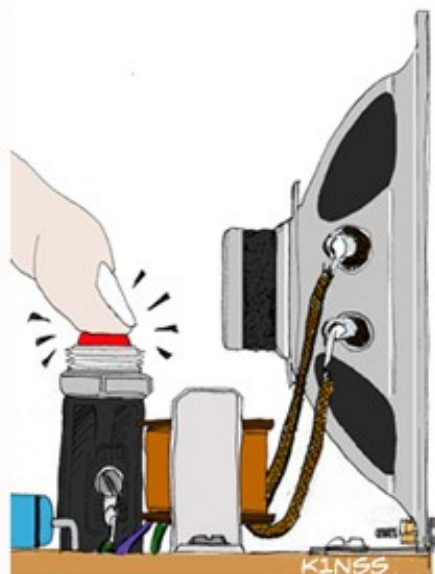
community

room at

Dahl's

33rd &

Hubbell





Ham Radio

in the 21st Century

Board Meeting Minutes

Minutes – November 2, 2010

The meeting convened at 7:00 p.m. with all elected officers and board members in attendance with the exception of Chuck Hovland, KDØSSH, Kevin Sanders, KØKDS.

Guests in attendance:

Scott Kirstein, NØOOD, Polk County ARES Coordinator

Review of Last Meeting

Minutes:

The October Board Meeting minutes were read and approved.

Old Business:

Field Day: Dennis O'Brien, KAØDOS, shared a letter sent to Windsor Heights City Administrator requesting the use of Colby Park for the DMRAA 2011 Field Day activities. As of 11/2/2010 he has not received a response. Further discussion has been tabled until a response has been received from Windsor Heights.

New Business:

ARES: Scott Kirstein, NØOOD, asked if the Board could explain the relationship between various clubs/organizations. Bill Claypool, NUØQ, attempted to give a history from 1982.

Treasurer's Report:

\$7,553.35

Subcommittee Reports:

Program: No special program for November or December. January's program will be on digital communications equipment set up by Kirk Nelson, WL7CLI. February's will be by the NWS.

Communication/PR: No report

Hamfest: Bill Claypool, NUØQ, has the contract and will be sending it and the check to the State Fair.

Table and admission prices were tabled until Jan 2011 board meeting so research can be conducted as to what other events are charging.

Field Day: Under Old Business

Education: 12 students signed up for the Tech class and 11 returned for the second class.

Repeaters: Dean Madsen, NØXR, reported that the DIN connectors have arrived so the cables for the packet two new radios can now be built.

Membership: No report

Christmas Party: Dennis O'Brien, KAØDOS, reported that set would start at 6:30 for a 7:00 pm start of activities. He also motioned that the club spend up to \$100.00 for Roxie Miller to make the center pieces, it was seconded by Ron Hobbs and the motion passed.

Chili Feed/Auction: Craig Rose, KCØYHU, reported that all is in place with the exception of confirmation from Larry Vandewater, NØBKB, on the auctioneer.

Awards: George Noble, KK7FM, has received 2 nominations for the Winthrop Mager award and will turn the names in to the prior recipients for their vote.

Other Business:

It was decided that there would not be a board meeting in December.

The meeting adjourned at: 8:30 p.m.

SKYWARN Recognition Day

The 12th Annual Skywarn Recognition Day (SRD) will be held at National Weather Service offices Friday, December 3rd at 6 p.m. until 6 p.m. the next day to celebrate the contributions amateur radio operators make during severe weather. The Des Moines National Weather Service (NWS) office, located at 9607 NW Beaver Drive in Johnston, will be open for storm spotters, amateur radio operators, and members of the interested public to visit the office, learn about the mission of the Mid-Iowa Skywarn Association (MISA) and to make radio contacts on HF and VHF/UHF. This is a way of saying "thank you" to storm spotters from the staff of the Des Moines NWS office.

The Des Moines NWS office, using the station call sign K0DMX, will be operating on the 80, 40, 20, 15, and 10 meter bands as well as on the linked MISA repeater system on VHF and UHF, including D-STAR.

Even if you're not able to make it to the Des Moines NWS office to participate in the event, amateur radio operators within the range of a repeater on the MISA linked system is encouraged to make a contact on the linked system. If you can make a contact on both a VHF repeater and UHF repeater, please do! That would count as two contacts since it was made on two different bands.

The 2010 Skywarn Recognition Day in Des Moines is organized jointly by the Des Moines National Weather Service staff and the Mid-Iowa Skywarn Association. Contact information, as well as details and updates will be available on the Mid-Iowa Skywarn Association website at <http://www.midiowaskywarn.com>.

October Meeting

Radio Control Models have come a long way!

By Larry KØFTO

If you were not there you missed an excellent presentation by Tom KØHTC. Receivers and controls that were measured in pounds now are in GRAMS and have multi functions!

I am sure most of us have seen, on TV, the Military Drones that are extremely complex and can be controlled from extreme distances and actually have a video feed back to the control point, of what the Drone is seeing. These have many controls and function. Some are saying the next Fighter Jets may have the Pilot at some ground trailer in front of a PC. None of this equipment can any of us afford but who knows what will be surplus.

Radio Control has been around many more years than most of us. Some of the first used vacuum tubes and required large batteries for the onboard Receiver and the ground control Transmitter might have needed 110VAC. Some of the first receivers I became aware of had hearing aid type vacuum tubes that had wires coming out of the bottom and not Pins so they had to be soldered in. The receivers in the RC Model were very simple and single channel. The range was very limited and if you let the model get out to far you could loose control. For you younger folks, vacuum tubes were those glass things that light up, required lots of power, were fragile and what was used in most electronic equipment before Transistors and Integrated circuits became available. Continued on page

The first systems had a single channel and the transmitter was pulsed to activate a stepping relay or Escapement as they were called to perform a certain function in the controlled unit be it an Airplane or a Boat or so on. The transmitter might have had a telephone dial or just a single pushbutton as the control. The stepping relay or Escapement in the airplane had a normal position and was controlled by a twisted rubber band. As the transmitter was pulsed the receiver in the airplane would activate a relay that would close contacts to the stepping relay that allowed it to step off of normal to close contacts or operate a mechanical arm to cause the rudder or flaps to move. Once the signal went away the stepping relay or escapement would return to normal waiting for the next command. I suppose if you sent enough commands the rubber band would wind down and then no more controls.

As the equipment improved one of the many giant steps was proportional controls. That meant you would have a joy stick at the transmitter and as you moved it off center the controls on the aircraft would move to match the same amount you moved the controls.

Some of the first systems were assigned 2 Megahertz, and then part of the Citizens band or 27 megahertz, then around 54 megahertz was used but required a Ham Licenses. I also remember around 72-75 megahertz was used but all had just a limited amount of channels to use. This required much co-ordination if you had a group getting together. I remember going to one meet and they had colored wooden pins that you clipped to a board and if your channel/ color was used you had to wait.

Tom KØHTC had some equipment there that operated above 2GHTZ or 2,000 Megahertz and was spread spectrum. The Transmitter and Receiver have Microprocessors in them and the Transmitter stays on one channel for a short time and tells the Receiver where it will be next. This is called frequency hopping. This reduced interference dramatically.

This is a very abbreviated coverage compared to what Tom presented.

YOU SHOULD HAVE BEEN THERE AS I LEFT OUT MANY DETAILS.

Now for the Photos. Figure 5 or the last photo was of the Helicopter above me as I was lying on the floor just before Tom said "Oh the battery is running down I will have to land!" He missed me.

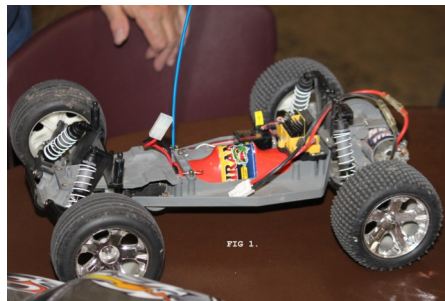


Figure 1 was a Radio Controlled car that would run almost 40MPH. Rats I did not get to drive it.



Fig 2 was his RC Fixed wing Airplane that he did not fly in the church!



Fig 3 Showing the Helicopter in flight. I almost have the blades stopped.



Figure 4 Helicopter after landing, showing the 2 vertical drive motors that rotate the blades in opposite directions.

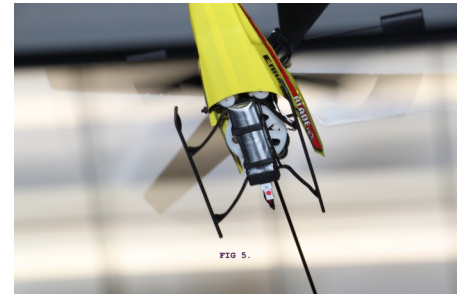


Figure 5 Helicopter above me just before Tom said "The battery is going down I will have to land now!"





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.



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

