

# STATIC SHEET

## OFFICERS

- Tom Reis NØVPR  
President
- Craig Long KCØYNN  
Vice-President
- Tre' Critelli KAØFRW  
Secretary
- Bill Claypool NUØQ  
Treasurer

## BOARD

- Bruce Brumm KCØZMT
- Rick England KØCSS
- Ron Hobbs NØXWI
- Dean Madsen NØXR
- George Noble KK7FM
- Dennis O'Brien KAØDOS

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## DMRAA Christmas Party

The DMRAA annual Christmas Party was a great time despite a lousy weather day and questionable road conditions. Twenty nine club members braved the bitter cold and slick roads to enjoy great pot luck food and a wonderful performance of the Plymouth Congregational Church Bell Choir. The choir consists of several members playing different sizes of bells. Our own Dennis O'Brien KAØDOS is a member. The set of bells cost over \$25,000

Highlight of the evening was the presentation of

the Winthrop Mager Award for 2008. This year's recipient was past president Lowell Abarr KB6SDI. See page 12 for more information.



Lowell Abarr, KB6SDI

A special thank you to Dennis, KAØDOS and his wife Sandy for providing the ham and setting up the room. Also thank you to Roxie Miller, KCØLLB for getting the table decorations and the door prizes. This year featured a pot-luck meal rather than dining at a restaurant. Hopefully we'll get some feedback from the memberships with suggestions for an even better party in 2009.



## Membership Renewal

Dear DMRAA member:

Happy New Year from your Board. We have been working hard to invigorate the club and we hope you have noticed. The newest edition of the Static Sheet is attached and we hope it will reflect some of that activity.

As you may remember, the DMRAA did not collect dues last year. This year, we felt it was necessary to reintroduce dues

because we continue to have expenses, and hoped to support initiatives that are important to the Ham community but too large for individuals to take on by themselves. As in the past, these include providing seed money for the hamfest and Field Day. This year, we have made major contributions to ARES for equipping a new trailer for emergency work. We've also provided funds to help establish a first rate

D-Star digital repeater system to bring us all into the future of digital radio.

Many members have already paid 2009 dues. As of January 1<sup>st</sup>, dues are, well, due. If you have not yet paid dues, please send your \$20 to:

DMRAA  
P.O. Box 88  
Des Moines, IA 50301



Come enjoy the fellowship

DMRAA

meetings are

the 4th

Tuesday of

the month.

Be sure and

mark your

calendars!

What is an HP Supercell?  
Find out at the February meeting.

# January Meeting

Plymouth Congregational Church

January 27th, 7:00PM

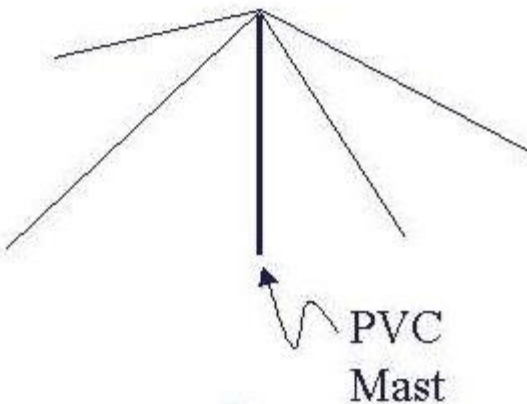
42 & Ingersoll Avenue

Des Moines

Presentation by Dan Miller

KCØFRL

Topic is NVIS (Near Vertical Incident Skywave) Antennas



**Near Vertical Incidence Skywave**, or NVIS, is a radio-wave propagation method that provides usable signals in the range between ground-wave and skywave distances (usually 30 to 400 miles, or 50 to 650 km). It is used mainly for military and paramilitary communications and by radio amateurs. The radio waves travel upwards into the ionosphere, where they are refracted back down and can be received within a circular region up to 650 km from the transmitter. If the frequency is too high, refraction fails to occur and if it is too low absorption reduces the signal strength.

NVIS is most useful in areas where line-of-sight propagation at VHF or UHF frequencies is ineffective or when the communication distance is beyond ground wave (more than 50 miles) and less than sky-wave (300 to 1500 miles). More simply stated, NVIS communication is most effective for regional use. This may be used to handle emergency communication or simply for fun.

# February Meeting

February 24th, 7:00PM will be our annual Severe Weather Spotter training. Presented by the National Weather Service, this training will help us do an even better job assisting our community during dangerous weather. This meeting is open to the general public and certainly all hams should avail themselves of this opportunity to learn about thunderstorms, tornados and such. Please bring a neighbor. This presentation will be in the Recital Hall on the 3rd floor.

Note: The MID-IOWA Skywarn ASSN. Will hold

a brief general meeting beginning at 6:30pm. MISA supports Amateur Radio operations and operator training in conjunction with the National Weather Service. All hams are welcomed.





Giving back through community service

Dan Miller  
KCOFRL  
Polk County  
ARES EC  
515-285-7981  
(home)  
515-491-0186  
(cell)  
[kc0fri@msn.com](mailto:kc0fri@msn.com)

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

# Polk County ARES

## Polk County ARES Update

We have almost come to the end of another year. We successfully provided communications for several Public Service Events, provided communications for the shelters during the floods, and proved that we were able to get the job done. We had some bumps along the way, but overcame the obstacles and did it in a professional manner. We proved that we could work as a team and make things work. The Served Agencies are very thankful for our services and keep asking us back year after year.

We are awaiting the arrival of a new trailer that we will outfit for a Mobile Communications Command Center. It has been a long process, but it is getting closer to becoming a reality. Hopefully, we will get it before the end of the year. It will be nice to be able to have it

for the Public Service Events and to use in drills and be better prepared to provide communications during a disaster. Our training and practice is paying off and our reputation for providing reliable communications in a professional manner is getting around. Our efforts are paying off and we are being recognized.

I have received many complimentary remarks about how friendly, cooperative and helpful the operators of the Polk County ARES group are. It is your participation and professional attitude that has made this possible. We continue to raise the bar of quality in providing reliable, emergency com-

munications. I want to take this time to say "Thank You!" It is the team effort that makes it work.

73,  
Dan Miller KCOFRL  
Polk County ARES EC

## NEW ARES Trailer

The new Polk County ARES trailer is in production and should arrive shortly. While the trailer will not be permanently equipped with radios, counters and shelves will need to be fitted. A selection of fixed antenna mounts will also be installed.

## UPCOMING

### ARES EVENTS

#### 2009 Polk County ARES Meeting Schedule

April 13  
July 13  
October 13

### ARES EVENTS

801 Grand Power Climb February 22  
MS Walk May 9  
Dam to Dam May 30  
Copper Creek Triathlon June 14  
Big Creek Triathlon August 2  
State Fair Parade August 12  
MS150 August 29-30  
Asthma Walk TBA  
Head of Des Moines Rowing Regatta September 26  
Des Moines Marathon October 18  
Living History Farms Cross Country Race November 21

# 2008 –2009 DMRAA Calendar

## DMRAA Calendar 2008 - 09

**January 27th  
Program**  
ARES, Dan Miller

Plymouth Congregatioanal  
Church.  
7:00PM  
Waveland Room 3-4  
42nd & Ingersoll Avenue  
Des Moines, IA

### General Meetings and Events

- 27 January, 2009
- 24 February, 2009 **Spotter Talk**
- 24 March, 2009
- 25 April, 2009 Hamfest**
- 28 April, 2009
- 26 May, 2009
- 23 June, 2009
- 27 June, 2009 Field Day**
- 28 July, 2009
- 25 August, 2009
- 22 September, 2009

### Board Meeting Dates

- 2 December, 2008
- 6 January, 2009
- 3 February, 2009
- 3 March, 2009
- 7 April, 2009
- 5 May, 2009
- 2 June, 2009
- 7 July, 2009
- 4 August, 2009



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

## The President's Soapbox

I had a great time at the Chili Feed and Auction. The chili was hot and plentiful. Around 80 folks attended and the quality of gear this year was the best I recall for sometime. Many dual-band radios for auction both mobile and HT's. The digital antenna spoof was very cute with several members building "digital" antennas for a possible April Fools QST article.

The weather wasn't very accommodat-ing for the Club's Christmas Party.

Nevertheless there was a good turnout. The Bell Ringers were incredible. Congratulations to Lowell, KB6SDI for receiving the Winthrop Mager Award. Thanks to Dennis, KAØDOS and all who helped.

Have you paid your dues yet? This one act is very important for the stability of our club. Our dues support the many functions of the DMRAA, meetings, repeater maintenance and events are costly. By paying our dues we insure

that the club will continue to have a bright future.

The DMRAA HAMFEST is our next big event and several board members are getting the wheels in motion. We'll be at the Fair Grounds in the Walnut building this year. Looks to be another great event. There will be testing this year, so encourage a friend.

73

Tom, NØVPR

## Member Profile: Dennis O'Brien KAØDOS

Dennis O'Brien (KAØDOS) attended public schools in Des Moines, graduating from Roosevelt HS in 1956. He earned degrees in geology from Cornell College, Miami Univ. (Ohio), and the Univ. of Massachusetts. Students at Drake called him "Rock Doc" during 33 years of teaching geology there. Having grown up in the era of radio furniture (think 1940's Zenith consoles with cat's eye tuners), there was always a fascination with radio, in general, and hamming, in particular. Dennis obtained a Novice license in 1977 as a result of

DMRAA classes at the old Science Center in Greenwood Park. Straight-key CW (Ten-Tec Century 21) operation was fun, for awhile, but family and professional duties put hamming on the back burner for several years. Adult education classes in the '90's (Bill Schemel, Dave Johnson, and Don Whitmer were some of the instructors) led to a General Class license. For the past few years, Dennis has been involved in the demonstration/teaching station at both the old and new Science Center of Iowa. Other interests include golf, handbell ring-

ing, and motor home travel. Dennis and wife, Sandy (retired elementary school Principal), have two sons and six grandchildren, all living in the Des Moines area.

Dennis currently serves the Des Moines Amateur Radio Association as a board member. Dennis chaired the club's annual Christmas Party and was instrumental in securing the Plymouth Congregation Church for our monthly meetings.



**Dennis O'Brien  
KAØDOS**



Have you checked into a net lately? →

ARES Nets serve several purposes, including

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

Please check in!

Time to upgrade your license?  
→→→→

# 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  
 January 18  
 March 15, May 17  
 July 19, September 20  
 November 15  
 registration starts at 12:30 PM  
 (no admittance after 1pm)  
 Location:  
 Johnstone Supply Classroom  
 (2nd floor)  
 11000 Justin Drive  
 Urbandale, IA 50322  
 Contact: Dan Miller KCØFRL

**AMES** 7:00pm  
  
 January 24, 2009 10:00 AM  
 March 31, 2009 7:30 PM  
  
 Location:  
 296 Town Engineering Building,  
 Iowa State campus, Ames  
 Contact: George Oster,  
 NP2N, 515-233-3535,

**BOONE** 9:00am  
  
 February 14, 9:00 AM  
 April 11, 9:00 AM  
  
 Location:  
 Kruck P&H Warehouse Office,  
 807 6th St., Boone, Iowa  
 Talk-In: 146.850  
 Contact: Steve NØNEU (515)  
 432-4006

### BUY, SELL, TRADE

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



You can advertise your BUY / SELL item here. Club members are welcomed and encouraged to list items in the Static Sheet free of charge. Just send your information to n0vpr@arrl.net and it will be in the next Static Sheet.

# SALE



# SALE!

Check us out!  
[DMRAA.com](http://DMRAA.com)

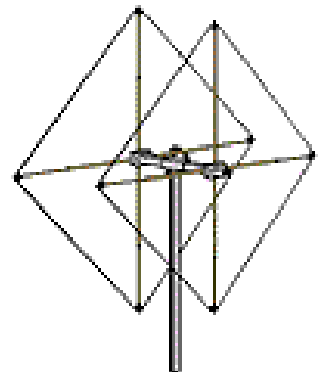
## Time to Upgrade?



## General Study Class Offered

Bill Schemmel WAØTYQ will be presenting General Class study sessions this winter. Classes will begin January 7 running to March 11. They will be on Wednesday nights at

7:00PM at the Johnstone Supply Classroom, 11000 Justin Drive, Urbandale, IA Bill can be reached at 285-0150 & his e-mail is [WAØTYQ@aol.com](mailto:WAØTYQ@aol.com)



# 1978 VTR'S (VCR)

## 1978 VTR'S (VCR)

By Larry S.Zimmer KA0FTO

The year was 1978 and what was this thing with new technology of a HOME VIDEO RECORDER?

I was looking through my basement archives' (stacks of old magazines) and came across an article describing the new VTR. The original name was HVTR or Home Video Tape Recorder. This was later shortened to VTR or Video Tape recorder, and then finally became known as VCR or Video Cassette Recorder. The big thing was allowing you to view one program and record another program! This was a big selling point back in those days. Video recorders had been around since 1960 but were large and extremely expensive.

I was stationed in Berlin Germany with the USAF in the early 60's and remember seeing a, 2 inch width, reel to reel video recorder with at least 10 inch reels but was for 30 minutes only. This was a very large machine and extremely expensive but that was the Military. We also had a 3M half inch tape machine that ran at 120 inches per second that had 7 channels that would record up to 1 megahertz but that is another story.

This 1978 article went on to brag about "you can purchase home VTR for less than \$1000. Complete." (I think a combination VCR and DVD player sells for less than \$80. today.) Small Video cameras seem to sell from \$200-\$1,000 with many different recording formats. I still have a full size VHS camera that I think was \$950.!

The first home use VTR was a Sony Betamax produced in Japan in the spring of 1975 for a measly \$1300. To keep the price of tape down Sony reduced the tape size to 1/2 inch width as opposed to 1 or two inch wide REEL to REEL. Their recording was called BETAMAX and was proprietary. (I think the first BETA machine I purchased, a SANYO, cost about \$250.) As these were selling very well other companies got into the market.

About 1 year later JVC or Japan Victor Company developed their own system and called it Video Home System or just VHS. This format was different than the BETA and was not compatible as even the Cassette was a different size. This system was developed with Matsushita,

who manufactured Panasonic products. The article goes on to say the VHS and BETA produced about the same quality of picture but testing I did myself makes me disagree. My testing for comparing VHS and BETA was starting with an original and then making a copy of the copy. Not very scientific but was something that I could see the difference in. The VHS showed degradation long before the BETA. Maybe I had different quality machines but that is what I remember.

At that time the VHS was physically lighter and smaller than the BETAMAX machines. Both machines used a type of Cassette and when the tape was loaded, the machine pulled the tape into the machine a more complex path than the audio cassettes at that time. (See the diagrams at the end of this article)

The audio cassettes at that time simply relied on inserting of the tape caused a precision metal shaft or capstan to come up through a hole in the audio cassette and a rubber roller squeezed the tape and pulled it past the recording and playback head at a precise speed. The audio cassette machines operated at two slow speeds of 3 3/4 and 1 7/8. The faster speed allowed for a better frequency response but at the cost of less music on the cassette. Reel to Reel Audio recorders at that time used speeds of 1 7/8, 3 3/4, 7 1/2, and 15 inches per second. I have both Cassette and Reel to Reel machines and even at the same speed the Reel to Reel makes a much better quality recording. Of course Cassette won out for convenience over the Reel to Reel.

The original Betamax was for a playing time of one hour as most TV programs were either 30 minutes or 1 hour so that was thought to be adequate. JVC seeing an advantage designed their machine to record 2 hours. Sony Beta not to be outdone introduced a machine that was a changer that allowed two 1 hour tapes to be loaded and the machine would then switch tapes to allow a full 2 hours. Sony later introduced a Beta-2 format that would allow a single tape to record for 2 hours.

RCA decided to get into the market and went with the VHS format but wanted a 4 hour tape. This was a different format and the original was known as VHS-2 and their new one VHS-4. The new machines for VHS-4 actually had a switch that allowed either the 2 or 4 hour recording method. At that time the 4 hour format did

not have picture quality as good as the 2 hour.

Quasar got into the business with QUASAR GREAT TIME MACHINE and also Sanyo V CORD II. The Quasar was different and different format but had a list price of \$995. It was a simpler machine and used a single record and playback head. The Sanyo V Cord II used a faster tape speed so had higher quality but still used 2 hour tapes. Blank tapes were not interchangeable.

Prices of blank tapes for BETA and VHS at that time were \$12 for 1/2 hour, \$15 for 1 hour, and \$20 for a 2 hour tape. I seem to remember today (March 2008) a blank T-120 VHS tape for up to 6 hour recording is less than \$1.00 if you buy a package of 10. Looking at one of my old Beta tapes it was a L-750 that was 222 meters long and with Beta III speed would record for 270 minutes. A VHS T-120, I have, is 246 meters long and with EP/SLP mode or speed will record for 6 hours. Today's DVD's are less than 50 cents, can record at various speeds such as HQ=60 minutes, SP=120 minutes, SP+=150 minutes, LP=180 minutes, EP=240 minutes, and EP+=360 minutes and this is not even a double layer!

If you wanted better picture quality, on tape, you could go with a 3/4 inch tape but was at least 60% more for the blank media. The machines were manufactured by NEC, JVC, Matsushita, and Sony. My guess is that is what the TV networks went to after the large REEL to REEL machines. These had a price tag starting at \$2000.00 in 1978.

Some prices as listed in 1978 are as follows.

### VHS Videotape

Curtis Mathes\*  
4-hour, Tv-VTR Console  
GTE Sylvania\*  
Hitachi\*  
JVC Vidstar  
2-hour deck,\$1280.  
Color Camera,\$1500

### Beta Format Videotape

Sanyo Betacord\*  
Sears Betavision\*  
Sony Betamax  
2-hour deck,\$1300.  
Cassette Changer  
And B&W camera\*  
BW

# 1978 VTR'S (VCR)

.VTR continued

JVC Vidstar  
2-hour deck, \$1280. BW Toshiba  
2-hour deck, \$1300

IK-12 color camera, \$1700

Magnavox  
Zenith  
4-hour deck, \$1075. B&W 2-hour deck,  
\$1300. 25inch TV-VTR console,  
Cameras available from \$2500. BW Camera\*

MGA\*

Panasonic  
**The OTHERS**  
4-hour deck, \$1095. BW Sanyo V  
Cord II 2-hour deck,  
And color cameras avail \$1050  
From \$395-\$4000.

RCA Selectavision Quasar  
Great Time Machine 2-hour  
4-hour deck, \$995. deck, \$995. BW camera with

Built-in microphone\*  
Sharp\*

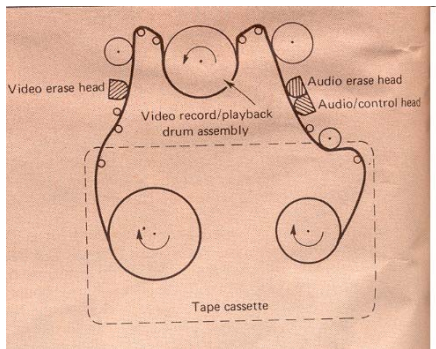
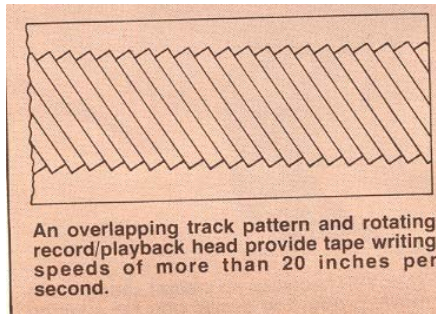
THOSE ITEMS MARKED WITH \* DID NOT HAVE PRICES YET.  
Here is a picture below of a Beta and VHS tape.



Here is a picture of a Betamax machine with a color tv.  
Notice all of the controls and top loading



You get more apparent tape speed as the Video/Playback head, or drum as it is called, spins and actually writes and reads at an angle which results in a much faster apparent tape speed.



Looking at the diagram, upper left, you can see the overlapping track pattern that the rotating record/playback head provides an

overall increase in apparent tape speed.

If you look at the upper right you see the tape is pulled out of the cassette and wound around on a long path to pass by all of the heads.

SINCE BETA WAS OVERTAKEN BY VHS AND NOW WE HAVE SEEN BLUE RAY TAKING OVER THE HIGH DEFINITION ON HD FORMAT, WILL BLUE RAY NOW WIPE OUT THE STANDARD DVD? I have a 50 inch HD TV and do not see the dramatic difference in a BLUE RAY DVD movie as being that much better than a standard DVD. The BLUE RAY DVD players have come down in price but the BLUE RAY MOVIES are still about twice the cost of a standard DVD. I have not seen the blank media available yet as they say it has at least 25GIGIBIT as opposed to 4.7GIGIBIT for a standard DVD for capacity. One magazine thinks BLUE RAY will be available in 50GIGIBIT size?

We have come a long way in the last 30 years. I wonder what will be available in another 30 years? I may just stick around just to find out.  
73 from Larry KA0FTO  
1978VTR



"Hang on a minute Larry...my SWR is jumping...I'm going outside and see what the problem is..."





**DMRAA CHRISTMAS PARTY**



**CHILI FEED AUCTION**





# Ham Radio in the 21st Century

## Board Meeting Minutes, November

### Board Meeting Minutes

On November 4, 2008 the Board and Officers of the DMRAA held its monthly meeting. In attendance were the following: Tom Reis, NØVPR; Craig Long, KCØYNN, Bill Claypool, NUØQ; Dean Madsen, NØXR; George Nobel, KK7FM; and Dennis O'Brien, KAØDOS.

The first several items of discussion involved old business. The Board first discussed the approval of the minutes from the last Board meeting. The updated version of those minutes was not available at the time of the meeting, so the approval of the minutes was tabled until the next Board meeting scheduled to take place in December. The Board also discussed feedback received regarding the current dues schedule and the amount of dues collected thus far. Finally, the Board briefly discussed the status of the DMRAA web site, and the idea of posting of an easy-reference repeater list on the web site.

The first item of new business was a request by Dan Miller (KCØFRL), the Polk County ARES Emergency Coordinator, for reimbursement for photocopies and printer supplies related to the Des Moines

Marathon. The Board approved the reimbursement to Mr. Miller in the amount of \$62.20. Dan Miller also provided a status update on the trailer expected to be received by Polk County ARES within the next several weeks. A discussion was had regarding the most appropriate way to register the trailer. The Board informally agreed that DMRAA Vice-President Craig Long, KCØYNN, would investigate this matter further and report back during December's Board Meeting.

The second item of new business involved the Chili Feed and Auction scheduled for the evening of November 25, 2008 at the old North Warren County Fire Department building. Arrangements for an auctioneer to be present have been made.

The DMRAA Christmas Party was the third item of new business. This event will take place in the Waveland Rooms of Plymouth Congregational Church on the evening of December 9, 2008. The Board agreed upon a potluck format, and that the participants would bring their own table service. It was also agreed that each participant should bring one hot dish and one cold dish to share with the others. The Board approved a \$50.00 donation to be

made to the Plymouth Congregational Church Bell Choir, who will provide entertainment following the meal. It was noted that Roxie Miller would again be responsible for obtaining table coverings and center pieces.

The fourth item of new business was the Hamfest. It was noted that, for all practical purposes, the location for this year's Hamfest has been narrowed down to the 7-Flags Events Center or the State Fairgrounds. The Board confirmed that the Hamfest would be held on April 25, 2008, and that a location would need to be confirmed in the near future.

The resignation of Board Member R.F. Hellstern, KØRFH, was the fifth item of new business. The Board decided that a replacement would need to be identified to fill the vacated position, and DMRAA President Tom Reis agreed to undertake this obligation.

The final item of new business involved the repeater service contract. It was noted by the Board that the bill for the service contract has been renewed and the contract is up to date.

The meeting concluded with committee reports.

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

# Board Meeting Minutes, December

## December 2, 2008

The Board and Officers of the DMRAA held its monthly meeting on December 2, 2008. In attendance at the meeting were the following persons: Tom Reis, Craig Long, Bill Claypool, Bruce Brumm, Dean Madsen, George Noble, Dennis O'Brien, and Ron Hobbs.

The meeting started with a discussion concerning old business. The minutes from the October and November meetings were approved. The annual chili feed and auction was also discussed. Factoring in the cost of the auctioneer and related expenses, the club essentially broke even on the event this year. Consideration will be given at a later time to raising the admission cost of next year's event to cover a projected increase in costs.

The next item of old business was a discussion regarding the method of delivery to the club's membership. A motion was put forward that future issues of the static sheet be: 1) e-mailed to paid members; and 2) that notice of the publication of the Static Sheet be e-mailed to both paid members and non-paid members. The motion carried.

The final item of business included the appointment of Ron Hobbs as a board member. Ron, N0XWI, will replace R.F. Hellstern, who resigned his position early this

fall. His term will include the remainder of Mr. Hellstern's two year term.

The Board and Officers then discussed new business, the first of which was a short presentation made by Dan Miller, KC0FRL, regarding the costs proposals for the ARES trailer expected to be delivered in late December or early January. Mr. Miller requested \$1,000.00 from the DMRAA to assist in outfitting the trailer. A motion to give \$1,000.00 in support of the new ARES trailer was put forward, and the motion carried. It was determined that payment should be made at a later time directly to the supply vendors.

The second item of new business included a brief discussion of possible strategies to increase the DMRAA's membership base. Craig Long, Vice President and Chair of the Membership Committee, is to prepare a short advert to be included in the next Static Sheet which will be designed to encourage the referral of existing hams to the club.

The Christmas party was the third item of new business discussed. Details and the arrangement with regard to the initial availability and set-up of the facility was discussed.

The fourth item of new business was the 2009 Hamfest arrangements. Following a brief review of the various facilities available for the event, a motion was put forward that the Walnut Center

and Family Center at the State Fairgrounds be rented. The motion carried. Bruce Brumm offered to arrange the QST advertising for the event.

The Treasurer's Report was the sixth item of new business. As of the date of the meeting, the Treasurer indicated the club has \$5,953.21 in its account.

Subcommittee reports were held next. The first subcommittee to comment was the Programs Subcommittee. Future program topics were discussed, and Dan Miller, KC0FRL, volunteered to give a presentation at the club's meeting in January, 2009.

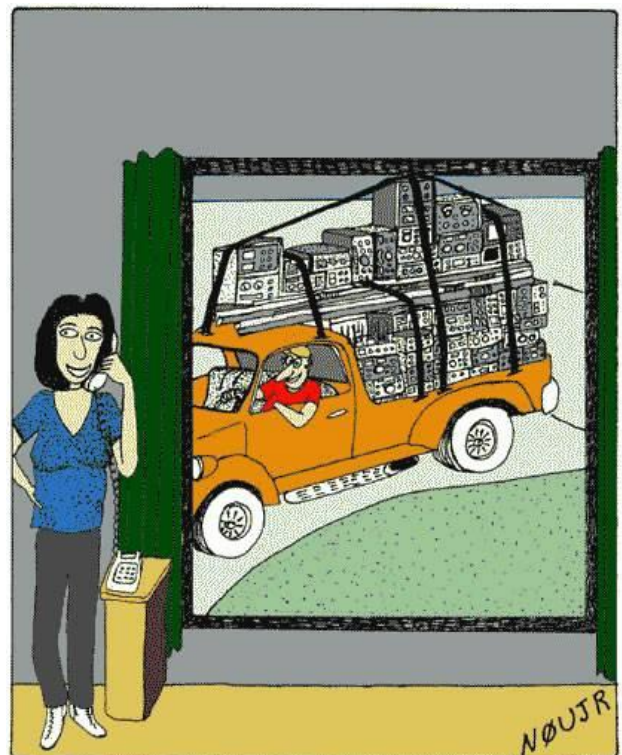
The Repeater Subcommittee presented and reviewed a Memorandum of Understanding designed to memorialize the use of the club's repeater and frequency pair by Mark Mease. Minor changes will be made before it is presented to Mr. Mease for his signature.

The meeting was adjourned.

## WØDAY Repeater is back!

146.610 WØDAY repeater is back on the air! Now that the late harvest is complete and the holidays over Dale Day NØINX was able to work some magic on the 146.610 repeater. This will be great news to many folks. KC0MTI has provided a Yeasu as a back up. The 146.610 is located in Grimes and is at the top of a 350 foot tower. The

443.400 is at the same height and location. While the 443.400 is linked to several repeaters in Iowa the 146.610 is a local repeater. By virtue of the location and height, both repeaters have a significant footprint. Thanks to the both Dale and Russ for their service to the amateur community.



"No Greg went to the ham auction this afternoon, to get rid of a couple old radios that were cluttering up the place...Oh I think I hear him pulling in now!"

# Lowell Abarr receives Winthrop Mager Award

The **Winthrop Mager Award** for 2008 is presented to Lowell Abarr, KB6SDI. The presentation was made at the Des Moines Radio Amateurs Association's Christmas Party held December 9th at Plymouth Congregational Church. 2007 recipient Tom Reis NØVPR presented the award. Lowell has for many years been a driving force for the DMRAA, from serving on the board, as an officer and president. Reis described Lowell's work with the DMRAA Hamfest as "remarkable and untiring." On behalf of the DMRAA, we thank Lowell for all he has done for the club. Well done Lowell!



## Thanks for the help

Thanks to few emails and a little research we were able to reconstruct the list of previous recipients of the Winthrop Mager award. We believe this to be accurate, please feel free to let us know if there are any errors.

### Winthrop Mager Recipients

1964	John Moffet	WØSVD	1979	Carmi Smith	WAØJOC	2002	JoAnn Deaton?	KCØBTV
1965	Lee J. Roy	WØVUDO	1980	Gary Liljegren	WØSH	2003	Don Whitmer	KCØWJ
1966	R.W. Denniston	WØDX	1981	Charles Corcoran	KD9UD	2004	Mike Greenwood	KC4VG
1967	Robert M. Evans	WØAUL	1982	Robert McCaffrey	KØCY	2005	Dan Miller	KCØFRL
1968	Kenneth Woody	KØSWE	1983	Ronald Kinton	WBØMBZ	2006	Kim England	KCØTHB
1969	Warren Huffman	KØCVT	1984	Harris "Mike" Golden	KØGHD	2007	Tom Reis	NØVPR
1970	A.W. "Red" Kruse	WØLCX	1985	Bob Heitman	WDØDOK	2008	Lowell Abarr	KB6SDI
1971	Thomas R. Fergus	KØQXT	1986	Marsha Heitman	KAØJZF			
1972	Dale White	KØQXL	1987	Jim Snapp	NAØR			
1973	Richard Witt	KØIDJ	1988	Bob Jimmerson	KAØOMM			
1974	Wayland Osborn	WØRRG	1989	John Sawhill	WAØO			
1975	Harold Rosenberg	WØIYW	1990	Al Peterson	KCØKZ			
1976	Bryon W. Mann	WØSEJ	1991	Don Boyvey	KDØBG			
1977	Warren Bensley	WAØITC	1992	Harold Ober	NØHZK			
1978	Ray Stanley	K5RRS	1993	Don Schmidt	WØANZ			
			1994	LaRue "Irish" Olson	WAØATI			
			1996	Leroy Koder	WDØCZO			
			1997	Bill Claypool	NUØQ			
			1998	Duane Bower	WDØUCY			
			1999	Melanie Bower	KBØJS			
			2000	Jim Case	KIØIP			
			2001	Maggie Harmon	KBØZBL			
				Dave Johnson	NØLVA			
				Ron Hobbs	NØXWI			





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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

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

