

STATIC SHEET

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- Kevin Sanders KØDSM
Vice-President
- Tre' Critelli KAØFRW
Secretary
- Bill Claypool NUØQ
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- Bruce Brumm KCØZMT
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- Dean Madsen NØXR
- George Noble KK7FM
- Dennis O'Brien KAØDOS
- Craig Rose KCVØYHU

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Flex Radio: Dean Madsen NØXR, Bill Claypool NUØQ and George Noble KK7FM demonstrate the computer controlled Flex Radio to Dave Miller, Iowa Homeland Security administrator



Field Day 2009 is now in the books. By every measurement this year's Field Day was great. The numbers were up, the weather cooperated and we all had a fantastic time. We competed with several events for media attention and came up short. We did have some other high points that more than made up for the lack of media coverage. Our GOTA station was very well received and had the numbers to prove it. Dave Miller, Iowa Homeland

Security administrator made a point to visit our Field Day activities and praised the Ham community and the services we provide. He was shown the GOTA station and even made a contact or two! We saw several non-hams and a few operators who have been inactive for awhile. New this year was the use of a solar panel, courtesy of PowerFilm of Ames. The unit, capable of 190 watts, was used to charge batteries. The Field Day stations oper-

ated almost completely on battery power this year, a bit of a challenge that was well met. The ARES generator was used for lights and logging PCs. The Field Day committee is looking at alternate sites for 2010 with the hopes attracting more visitors. The Jolly Boat shelter is still a favorite location of many. Many thanks to all those who helped make the event great. Look for other Field Day news and photos on pages 7, 8, & 9.



Come enjoy the fellowship

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



Upcoming Meetings

Waveland Room 2
Plymouth Congregational Church
42nd & Ingersoll Avenue
Des Moines

July 28th 7:00 PM

ARRL Iowa Section Manager Tom Brehmer

ARRL Iowa Section Manager Tom Brehmer, NØLOH will be at our July general meeting to talk about ARRL affairs and Iowa. The meeting starts at 7 p.m. at Plymouth Congregational Church in Des Moines. All are welcome to attend!

August 25th 7:00 PM

Digital Radio in Central Iowa

Larry Vandewater NØBKB, Mike Waldron, AEØMW and Tom Reis, NØVPR will provide an update on D-Star digital radio in Central Iowa. Several things have changed and these changes will be outlined as well as an opportunity to try a D-Star QSO.

Future Meetings

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



Recent Meetings

Dean Madsen NØXR was the presenter for our May meeting. Timely topic of "DMRAA / ARTS Field Day Made Easy" was presented. The presentation included audience participation of practice QSOs. Dean also set up the numerous computers used for logging the QSO's during Field Day. The presentation materials may be found on the DMRAA web site.

Our June meeting was on Solar Power and applications. Tom Briles KBØNFF provided many

interesting thoughts for present and future uses. Tom was also instrumental in getting a 190 watt Power Films Quad panel for use during Field Day.

Thanks to Tom And PowerFilms.



Polk County ARES



Giving back through community service

Craig Long
KC0YNN
Polk County ARES EC
515-979-1539 (cell)
kc0ynn@arrl.net

As many of you know, there has been a “changing of the guard” with regard to the Amateur Radio Emergency Service in Polk County. Following several years of dedicated service as Emergency Coordinator to the Polk County ARES organization, Dan Miller, ACOOF, has been appointed the Iowa Section Emergency Coordinator. I have volunteered to fill the void created by Dan’s appointment, and have been appointed Polk County EC. I’d like to thank Dan Miller for his leadership and tireless efforts towards the ongoing success of Polk County ARES, and for his generous assistance during the transition into this new role. I look forward to being of service to the local ARES membership, and will strive to provide the same level of dedication as Dan.

June and July were fairly quiet months for ARES, but there are several activities planned for the month of August. The next public service event for

ARES will be the Big Creek Triathlon held on the morning of August 2nd. Planning for this event is underway, and it promises to be a rewarding experience. Then, on August 12th, ARES will assist with the State Fair Parade. The final event of August will be the MS150 bike ride, which will take place on August 29th and 30th.

In addition, work on the ARES trailer (which I have dubbed “Big Red”) has been steadily progressing. The countertop and cabinetry has been installed, and work is underway on the electrical wiring. Deployment guidelines have been drafted in cooperation with Polk County Emergency Management, and the objective is to have the trailer in operation

within the next four to six weeks. Keep your eye out for it!

Finally, I am pleased to announce that the Polk County Amateur Radio Emergency Service has been selected for a 2009 Governor’s Volunteer Award for its continuing contributions to the safety and security of the Des Moines community. Receiving this award is a tremendous honor for ARES, and it is good to know that the organization’s efforts have not gone unrecognized. Congratulations to the membership of Polk County ARES!

If you have any questions or would like to become a volunteer operator with Polk County ARES, please contact me at kc0ynn@arrl.net.



Craig S. Long
Polk County EC

UPCOMING

ARES EVENTS

2009 Polk County ARES Meeting Schedule

October 13

ARES EVENTS

- 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

Polk County ARES Meetings
Johnstone Supply Classroom
(2nd floor)

11000 Justin Drive
Urbandale, IA 50322

2008 —2009 DMRAA Calendar

DMRAA Calendar 2009

July Program

ARRL Iowa Section Manager Tom Brehmer, NØLOH will be at our July general meeting to talk about ARRL affairs and Iowa.

General Meetings and Events

28 July, 2009
 25 August, 2009
 22 September, 2009
 17 October Jamboree on the Air
 22 October, 2009
 24 Nov - Chili Feed/Auction
 ? DMRAA Christmas Party
 26 January, 2010
 23 February, 2010
 23 March, 2010
 27 April, 2010

Board Meeting Dates

7 July, 2009
 4 August, 2009
 1 September, 2009
 6 October, 2009
 3 November, 2009
 1 December, 2009
 5 January, 2010
 2 February, 2010
 2 March, 2010
 6 April 2010
 4 May, 2010
 1 June, 2010



You now have the option of paying for up to 3 years when renewing your membership in the DMRAA.
 1 Year = \$20
 2 Years = \$40
 3 Years = \$60

See Bill Claypool NØUQ for details.

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

The President's Soapbox

Where do I begin? We have so many things happening in the club and Ham radio. It seems we just wrapped up a great Hamfest and then we're up to our elbows in Field Day. What a cool event. I say that even though HF isn't my passion! I watched as the Field Day committee rolled up their sleeves and run a very well balanced event. Everybody found something that interested

them. The new Flex Radio was amazing — it looked to be watching a dozen CW QSOs at the same time! The GOTA station lured several folks. Even the Bacon Explosion was very well received. Special thanks to Bruce, Dean, Bill, and George. I was able to help with the NDMS drill at the airport and use the new ARES trailer for the first time. It generated a lot of favorable interest

and illustrates Amateur Radio's commitment to community service. Thanks to Dan Miller for all his work with ARES and getting the trailer outfitted.

Thanks also to Tre and Kevin for the DMRAA.org web page. Have a look, it is really cool, video and all!

73
 Tom, NØVPR

Member Profile: Craig Rose

Craig Rose (KCØYHU) grew up in Maxwell, IA graduating HS there in 1978. Always having an interest in things electronic he was a Citizen Band radio fanatic at the age of 15, personally owning base and mobile equipment which he operated into his 20's. Other hobbies and jobs kept him out of the electronics field till the early 90's when he started developing his computer technician skills. In 2006, when reading about Wi-Fi distance records set by Hams, a spark was rekindled for the radio field. A Technician Class license was acquired in August that year and...nothing was done with it until the 2008 ARTS/DMRAA Field Day which brought new friends and in-

terest. With the encouragement of local hams and ones from the WAARC club, he acquired a General Class license in September 2008 and bought his first radio in October that year. In January 2009 Craig passed his Extra Class license. Future goals are to learn Morse Code, develop contesting skills and be more involved in Ham radio for the community. Currently working as a Computer Technician at MidAmerican Energy, he shares several hobbies with his wife Barbara such as motorcycling, shooting sports, Ham radio (hoping the XYL will get her ticket) and time with the four grandchildren of his only daughter. This year also brought about the

honor of being elected as a board member to the Des Moines Radio Amateur Association.
 Editor's note:
 Craig presently serves the DMRAA as a board member and serves on several sub-committees.



**Craig Rose
 KCØYHU**



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

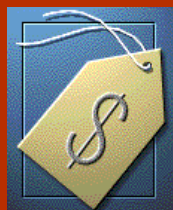
Amateur Radio Testing Sessions

<p>Des Moines 1:00pm</p> <p>September 20 November 15</p> <p>registration starts at 12:30 PM (no admittance after 1pm)</p> <p>Location: Johnstone Supply Classroom (2nd floor) 11000 Justin Drive Urbandale, IA 50322 Contact: Dan Miller ACØOF (515)285-7981</p>	<p>AMES 7:00pm</p> <p>Saturday Sept 26, 10:00 AM Wednesday, Nov 18, 7:00 PM</p> <p>Location: 1304 Howe Hall, Iowa State campus Contact: George Oster, NP2N, 515-233-3535</p>	<p>BOONE 9:00am</p> <p>August 8, October 10, December 12</p> <p>Location: Kruck P&H Warehouse Office, 807 6th St., Boone, Iowa Talk-In: 146.850 Contact: Steve NØNEU (515) 432-4006</p>
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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



BUY, SELL, TRADE

HP Service Equipment for Sale

I would list the HP gear individually but there are so many, if there is something someone wants, I probably have it. Any way, it should be worth the trip just to see what all I have for sale.

73 Richard KB0EMR
ReemeeRchrd@aol.com



Ham Radio featured in The IOWAN.

Several local Hams were interviewed for a feather article in the IOWAN magazine. You can purchase the magazine at local book stores or view the article on line at <http://www.iowan.com/ham-radio.cfm>



D-Star repeater gets new cabinet and upgrades.

The Des Moines area D-Star repeater was recently upgraded and several hardware and software changes were made. Given the additional equipment that is being added a larger rack mount cabinet was obtained.

This allows all the equipment to be in one location. This equipment includes the UHF and VHF digital repeaters as well as the rack mount server and controller. The 1.2ghz digital data repeater and tri-plexer was installed at there is room for the 1.2ghz analog voice repeater, soon to be added.

Presently only the UHF repeater is operational. As soon as the additional hard lines can be installed on the tower all components will be operational.

The most significant change is the system's call sign. It has been changed to KDØIAN



Time to Eat?

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

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.

Caution! Considerable amount of amateur radio topics will be discussed.



Martha Driesnack, KC7VUJ and Jacob Schaper work the GOTA station at Field Day 2009

ARTS/DMRAA GOTA station Field Day: that time of year when normally self-respecting amateur radio operators of all types abandon their usual good judgment so that they may expose themselves to the elements and fend off blood-sucking arthropods in hopes of achieving... probably only bragging rights. A few years ago, the ARRL added to the mix the category of GOTA or "Get On The Air" stations in order to suck in newer or lapsed members of the fraternity.

This year, your Field Day committee made a commitment to have a GOTA station, and our newest members did us proud. The GOTA station used the call W0SCI and made 89 contacts on SSB and one PSK-31. Three of the operators, Bob Lawrence KD0FGN, Jerel Merical KD0FGJ, and Martha Driessnack KC7VUJ each made more than 20 contacts. This earned an additional 20 point

bonus each, if anyone is keeping score. Steven Schaper, N0XZX, who has been "generally inactive", is



looking to get back into Ham Radio because his young son, Jacob (no call) is interested. Steve made a number of contacts, then Jacob took

over. There was no "mike fright" there. David Miller (no call), our Homeland Security representative, went above and beyond simply showing up to give us Field Day points. He was interested in everything going on at Field Day, and made several contacts at the GOTA station just to experience the fun first hand. Bob Zimmerman (no Call) says he is almost ready to take a license test. He also made several contacts and looked like a natural doing it. Jerel went beyond with Dean's help, and made the one PSK-31 contact from this year's Field Day.

I am very pleased with how the whole GOTA station worked out and I hope we will do it again next year with a new crop of Hams, hopefully including Jacob, David, and Bob Z. I hope to see Bob L., Jerel, Steve, and Martha next year, manning the other stations. KK7FM, George

ARTS & DMRAA Field Day 2009 Statistics

QSO Breakdown by Band and Mode

W0AK			
Band	CW	SSB	Total
3.5	14	8	22
7	432	16	448
14	193	40	233
21	32	44	76
28	0	10	10
50	0	37	37
Total	671	155	826

W0SCI			
Band	PSK31	SSB	Total
7	0	34	34
14	1	26	27
21	0	28	28
Total	1	88	89

Totals

Call	PSK31	CW	SSB	Total
W0SCI	1	0	88	89
W0AK	0	671	155	826
Total	1	671	243	915

Comparison to 2008

Year	PSK31	CW	SSB	Total
2008	0	658	51	709
2009	1	671	243	915
% Change	+∞	+2%	+376%	+29%

W0AK QSO Breakdown by Date, Hour and Band

Date	Hour	Total	3_5	7	14	21	28	50	Running Total
6/27/2009	18	37	0	0	31	6	0	0	37
6/27/2009	19	35	0	0	27	8	0	0	72
6/27/2009	20	50	0	0	40	2	3	5	122
6/27/2009	21	27	0	0	9	15	2	1	149
6/27/2009	22	20	0	0	7	13	0	0	169
6/27/2009	23	25	0	10	15	0	0	0	194
6/28/2009	0	30	0	0	30	0	0	0	224
6/28/2009	1	55	0	12	26	0	0	17	279
6/28/2009	2	38	0	24	2	0	0	12	317
6/28/2009	3	27	0	25	0	0	0	2	344
6/28/2009	4	37	11	26	0	0	0	0	381
6/28/2009	5	45	4	41	0	0	0	0	426
6/28/2009	6	30	3	22	5	0	0	0	456
6/28/2009	7	36	4	25	7	0	0	0	492
6/28/2009	8	11	0	0	11	0	0	0	503
6/28/2009	9	6	0	0	6	0	0	0	509
6/28/2009	10	35	0	34	1	0	0	0	544
6/28/2009	11	63	0	63	0	0	0	0	607
6/28/2009	12	19	0	19	0	0	0	0	626
6/28/2009	13	12	0	12	0	0	0	0	638
6/28/2009	14	45	0	43	2	0	0	0	683
6/28/2009	15	36	0	23	9	0	4	0	719
6/28/2009	16	59	0	53	5	0	1	0	778
6/28/2009	17	48	0	16	0	32	0	0	826
Total		826	22	448	233	76	10	37	

Max QSO Rates

2009-06-28 0255Z - 4.0 per minute (1 minute(s)), 240 per hour by NU0Q
 2009-06-28 0259Z - 2.3 per minute (10 minute(s)), 138 per hour by NU0Q
 2009-06-28 1151Z - 1.1 per minute (60 minute(s)), 66 per hour by N0XR



Field Day FUN!



For more photos and video visit DMRAA.org





Board Meeting Minutes, June

On the 2nd day of June, 2009, the Officers and Board of Directors of the DMRAA convened their monthly administrative meeting. All duly elected officers and board members were in attendance. In addition, Dan Miller (ACØOF), Tom Briles (KBØNFF) and John Eckard (KCØGFY) were also present. Minutes of May meeting were approved. Treasurer reported \$7,09.24 balance in account.

Items of old business discussed included:

(1) 2010 Hamfest: details still being sorted out to determine costs of having classroom at the FFA hall adjacent to the Hamfest location. Estimated Hamfest profit of \$1,211.40 (with final accounting to be provided next month)

(2) Trailer: Dan is continuing to work on necessary paperwork before trailer can be used for events

Items of new business discussed and approved included:

(1) DMRAA members can have the option to prepay dues in three (3) year increments.

(2) July board meeting will be held on 7/7/09 as scheduled

(3) DMRAA subcommittee assignment circulation reviewed.

(4) A new location for the chili feed/auction will need to be found. NØVPR will be checking for a site and reporting at the next meeting; date of event is 11/24/09

(5) Consensus was that the Christmas party should be held in same location if possible. Date of event is 12/8/09.

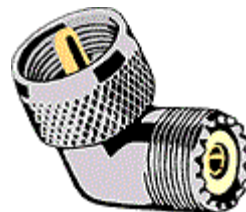
KAØDOS will check with Plymouth to see if the date is available

(6) Consensus was that the general meetings should also continue to be held in Plymouth.

KAØDOS will also check to see if the location will continue to be available

(7) D-star subcommittee need four (4) callsigns for repeaters. Approval was given for DMRAA to apply for four new callsigns (not vanity so no expense) for such use. NØVPR is listed as trustee.

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



Board Meeting Minutes, July

July 7, 2009

The monthly meeting of the Des Moines Radio Amateurs' Association Officers and Board of Directors began at 7:00 PM. All duly elected officers and board members were in attendance, except for the absences of Board Member Dennis O'Brien (KA0DØS) and Secretary Tre Critelli (KAØFRW).

The minutes from the June board meeting were approved unanimously.

The Treasurer reported a balance of \$6,573.31 in the DMRAA fund.

Field Day 2009 – Field Day 2009 was largely considered successful. While reviewing Field Day 2009, numerous improvements and changes were suggested for next year's Field Day event. Another beam would be nice, and better antenna grounding would help next year. The board will also explore the possibility of moving the Field Day location to a different spot. Suggestions were Valley West Mall, Jordan Creek Town Center (near lake area), the Statehouse, Terrace Hill, the Science Center of Iowa, parking ramp near SCI, and the Simpson Barn in Johnston. Ron will look into these and other locations. The solar power equipment worked well, and PowerFilm expressed interest in providing a "PowerShade" solar canopy that could provide up to a kilowatt of electricity next year. Reimbursements were provided to club members for items pertaining to Field Day.

Chili Feed & Auction location – The board approved St. Paul Presbyterian Church in Johnston as the location of this year's chili feed and auction.

DMRAA.com renewal – The board approved the renewal of the DMRAA.com domain for the next

five years. Both DMRAA.com and DMRAA.org will continue to point to the same server and both domains will be maintained. Tom will renew the DMRAA.com domain.

Christmas Party date – Due to scheduling difficulties with venues and meetings in the month of December, a date needs to be selected for the Christmas Party. Possible dates suggested for the party were December 7th or the 10th. Discussion was tabled until more information is gathered for the next meeting.

Invitation to host ARRL Section/Regional Convention – The DMRAA was approached about hosting the ARRL Midwest Regional and Iowa Section convention that is currently held in Sioux City. This would be held in place of the usual DMRAA Hamfest. A larger venue would be required. More logistical planning would be required to accommodate out-of-towners, guest speakers, and vendors. Amount of readily-available manpower was also a concern. Not much other information was available. The board will speak with Iowa Section Manager Tom Brehmer (N0LOH) about the convention at July's general meeting, where Brehmer is the featured guest speaker. Discussion was tabled until more information is gathered for the next meeting.

Program subcommittee – George reported that ideas for upcoming August and September general meetings include go-kits, homebrewing, and VHF/UHF digital modes (D-STAR, APRS, Winlink, Echolink/IRLP, etc.).

Communication subcommittee – The August Static Sheet will be coming out shortly. Tom encouraged everyone to write an article or contribute for future editions of the Static Sheet.

Public Relations subcommittee – Tom created the Public Relations subcommittee in response to Field Day

and appointed Kevin Sanders (KØDSM) as the chairman. Numerous pictures from Field Day 2009 were submitted to the ARRL for use in QST Magazine and other publications. Press releases were sent out to over two dozen central Iowa media outlets ahead of Field Day. Tom spoke as a guest on two WHO-AM radio shows to tout the event. Des Moines hams Larry Vandewater (NØBKB), Mike Waldron (AEØMW), Jim Snapp (NAØR), George Noble (KK7FM), Bob Evans (KØIQR), and Mike McQuiston (WAØMM), Norma and Roland Newton (KCØLIN and KCØIEA) were all sources in a story about amateur radio in The Iowan magazine. The story can be read online at <http://www.iowan.com/ham-radio.cfm>.

Chili Feed & Auction subcommittee – The board approved St. Paul Presbyterian Church in Johnston as the location of this year's chili feed and auction.

Hamfest subcommittee – The further exploration of using the FFA building at the Iowa State Fairgrounds for testing was discussed. Rental for a half-day of the FFA building is \$250, no deposit required. Tom will sign the rental contract on behalf of the DMRAA to reserve the building unless a more suitable location is found since there is no deposit required on the FFA building. It was also suggested that the Hamfest may start later in the morning and end a bit later on.

Education subcommittee – Education committee will be working on an upcoming Boy Scout activity.

Repeater & Packet subcommittee – Dean reported that the packet systems are still up and running. A frequency guide for the packet systems will be published soon to remind members that we still have packet.



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

E-mail: info@dmraa.com

The Static sheet is a bi-monthly (six per year) publication of the Des Moines Radio Amateurs Association. It is provided via email to the membership of the DMRAA. Please feel free to forward to prospective club members and interested Amateur Radio Operators.

The DMRAA is affiliated with the ARRL, the national association for Amateur Radio.



Can you hear me now?

DMRAA Membership Application

Des Moines Radio Amateurs Association

Name: _____

Address: _____

City: _____, State: _____ Zip: _____

Phone Number: (____) _____ Email: _____

Call Sign: _____ Class: (E) (A) (G) (T)

ARRL Member: ? Y / N

Dues \$20 Single
\$60 3 Years

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

