

OFFICERS

- Scott Kirstein NØOOD
President
- Tom Weaver NØTLW
Vice-President
- Patrick McIntyre KD9BBA
Secretary
- Bill Claypool NUØQ
Treasurer

BOARD

- Rick Allen, NØCFL
- Dennis O'Brien KAØDOS
- Ray Harden WØRAY
- Bob Johnson, WØSMS
- Mike Waldron AEØMW
- Vacant

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DECEMBER 2019

DMRAA Christmas Party

The Des Moines Radio Amateurs' Association recently held their annual Christmas Party. This is a yearly celebration of accomplishments that the club has made in the previous year.



Bob Johnson, WØSMS 2019 Winthrop Mager Award Recipient.

The recent DMRAA Christmas Party was the back-drop for the presentation of the prestigious Winthrop Mager Award honoring the DMRAA member of the year, Bob Johnson WØSMS was the 2019 winner. Bob has been very active with the DMRAA. Bob was in the DMRAA for many years before deciding to come back and be more active. Since becoming more active he has taken on many responsibilities. He has been very active with the DMRAA Education Committee helping with the 1-Day Technician's class and multi-week technician's classes. His education commitment also includes the General upgrade classes. He serves as an active DMRAA Board Member as well. Bob was also instrumental in improving our Field Day performance. This is due to the relationship Bob and others have made with the Fort Des Moines Museum. We congratulate Bob on his achievements.

ChiliFeed / Auction , Lots of Fun for lots of Folks



The latest ChiliFeed / Auction was truly a fun evening. First the room was packed and secondly the cooks outdid themselves on the chili. There was plenty of it and with several cooks we had a nice variety. No one left hungry. Again our thanks to the cooks.



But wait, there was more, a lot more! Our members did a nice job of "shack cleaning". That meant we had a very nice selection of gently used equipment for folks to bid on. Chip Lauer our "auctioneer for life" was in great form and virtually all stuff went home with new owners.

ChiliFeed &
Christmas Party
photos pages
12-13



Come enjoy the fellowship

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



Upcoming Meetings

January 28th, 2019



Drones
Presented by
Treyton Danervall KEØWVO

7:00PM
Waveland Room, 2nd floor
Plymouth Congregational Church
42nd & Ingersoll Des Moines, IA

February 25th, 2019
NWS Spotter Training

7:00PM
Recital Hall, 3rd Floor

Plymouth Congregational Church
42nd & Ingersoll Des Moines, IA



The DMRAA meetings provide an excellent opportunity to meet new friends and enjoy fellow hams. Please feel free to invite newly licensed amateurs or friends to attend.

Future Meetings

We're looking for meeting ideas and presenters. Please feel free to make suggestions and offer to help with a presentation.

Contact
Tom Weaver NØTLW
at info@dmraa.com



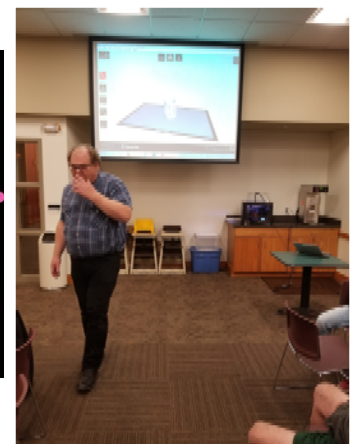
You can Help?

Are you interested in helping the club? There are many ways you can help -- assisting with an event, taking a few pictures or even writing a piece for this newsletter.

Recent Meetings

October Meeting
Let's talk 3-D Printers

Our October meeting was highlighted by Ricahrd Wagner, NØPBO. He spoke and gave demonstartions using two 3D printers. He spoke to the software for developing the designs and the practical application of 3D. He noted the use of this type of manufacturing as proto-type. We indebted to Richard for his presentation.



2018 DMRAA Calendar



Calendar 2020

General Meetings and Events

28 January, 2020
 25 February, 2020
 24 March, 2020
DMRAA Hamfest — 18 April
 28 April, 2020
 26 May 2020
 23 June 2020
ARRL Field Day—27-28 June
 28 July, 2020
 25 August, 2020
 22 September, 2020
 27 October, 2020
Chili Feed / Auction — 24-Nov
Christmas Party — 08-Dec

Board Meeting Dates

7 January, 2020
 4 February, 2020
 3 March, 2020
 7 April, 2020
 5 May, 2020
 2 June, 2020
 7 July, 2020
 4 August, 2020
 1 September, 2020
 6 October, 2020
 3 November, 2020
 1 December, 2020



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 NUØQ for details.
 Pay online at DMRAA.com

President's Soapbox

This. Is. Late.

This will be brief. I am so far behind deadline for this edition of the Static Sheet, I'm sure our Editor (VPR) has filled most of the column space anyway – so I will make this short.

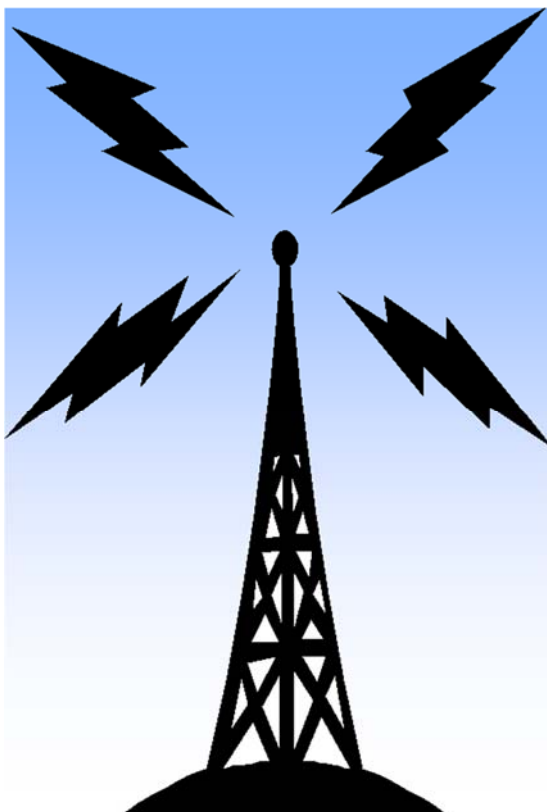
Thank you to all who came out and supported the “Revised” Christmas Party. We hope you enjoyed it! Should you have any feedback, please feel free to share it with the board members so we can use that for next year's event. Special thanks to the Party Committee for all of their work and preparation. Dennis O'Brien, Ray Hardin, Tom Weaver, and Bob Johnson (and spouses)

saw an opportunity to change things up and made the event more “Christmassy” than it had been for a long time!

I would also like to congratulate Bob Johnson as this year's recipient of the Winthrop Mager award. Bob has been a board member, instructor in the Technician classes, on the Field Day and Christmas Party committees. Sometimes, people get tired of putting in so much work and effort – but I know that won't happen to Bob any time soon.

On a final note, Happy Holidays!

Scott



Age is strictly a case of mind over matter. If you don't mind, it doesn't matter.

Jack Benny
 (at 39)



Time to think about your 2020 DMRAA Dues



Giving back through community service

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



Polk County ARES



Thank you all for helping with the ARES events you worked in 2019! We have completed another full year of service to our community, keeping participants in the various events safe, and defending the amateur radio spectrum. ARES events continue to be a great way to use your license privileges, and help people at the same time. If you didn't get a chance to help out this year, fear not there are opportunities coming for next year as well.

A quick recap of 2019: we utilized 134 volunteers, participated in six events, and contributed in excess of 991

hours of labor (economic impact per hour of \$21.00 for a total of \$20,811. Also, of note: No deer were injured as part of our events this year! ☺

We are working on finalizing the schedule of events and meeting for 2020 (that's hard to type, btw), but our first event for next year is the Fight for Air Climb on Sunday, March 29.

Thanks, again for your help in making 2019 a successful ARES year and Happy Holidays!

Scott



Drew Nordstrom KEØQXN and Rob Light, Urbandale Fire, EMS Chief working the Living History Farms Fun Race

Facts about Polk County ARES.

- 106 volunteers on PCARES mailing list
- Event Operators
- Fight for Air **22**
- Market to Market **27**
- State Fair Parade **27**
- Rowing Regatta **15**
- Des Moines Marathon **33**
- Living History Farms **26**

If one were to total the number of hours invested by these operators it would total over **991!** Add in quarterly meetings, net check-ins and various other things, we bring a lot to the table. Please pat yourself on your back and consider the difference that we all make. Enjoy the holidays.

Polk County ARES Meetings

Polk County EOC
1907 Carpenter Avenue
Des Moines, IA



ARES MEETINGS DATES 2020

Monday, January 13
Monday, April 13
Monday, July 13
Monday, October 12

7:00 PM

**Polk County Emergency
Operations Center**
1907 Carpenter
Des Moines, IA

2020 ARES Events

Fight for Air Climb March 29th, 2020
Market to Market May 9th, 2020
ARRL Field Day June 25th & 26th, 2020
Iowa State Fair Parade August 12th, 2020
Head of the Des Moines Rowing Regatta
September 26th, 2020
IMT Des Moines Marathon
October 18th, 2020
Living History Farms Fun Race
November 21st, 2020

Sign-up online at [DMRAA.com/ARES](https://www.dmraa.com/ARES)



Have you
checked into a
net lately? →

**ARES Nets serve
several purposes**

- **Operator training**
- **Training of Net
control operators**

Please check in!

Area Nets

AMES

Sunday	147.240+	7:00pm	Story County ARES Net
Wednesday	147.375+ t 114.8	9:00pm	Cyclone Amateur Radio Club

BOONE

Sunday	146.850-	8:00pm	Boone County ARES Net
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CRESTON

Sunday	443.400+ t 151.4	8:30pm	SW Iowa Amateur Radio Assn.
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DES MOINES

Sunday	145.310- t 114.8	6:00 pm	WIRES-X Net
Sunday	145.390- t 114.8	7:00 pm	Saylorville Fellowship Net
Sunday	29.670- t 103.5	7:30 pm	Iowa Ten Meter Net
Sunday	146.610- t 114.8	8:00 pm	Central Iowa ARES Net
Sunday	146.940- t 114.8	follows ARES net	Central Iowa Technical Net
Sunday	443.400 t 151.4	8:30 pm	SW Iowa Amateur Radio Assn Net
Monday	146.940- t 114.8	7:00 pm	DMRAA information Net
Wednesday	53.250-	8:30 pm	Iowa 6 Meter Net 1.7mhz-
Thursday	146.940- t 114.8	7:00 pm	Polk County ARES Net

INDIANOLA

Saturday	146.60- t 114.8	7:30am	Warren County ARES Net
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PERRY

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

STATEWIDE NETS

Sunday	444.725+	7:30 pm	Iowa DMR User Group Net
Monday—Saturday	3,970	12:30pm & 5:30pm (6:00pm summer)	Iowa 75 Meter Traffic Net
Sunday	3,970	5:30pm (6:00pm summer)	Iowa Traffic and Emergency Net



Amateur Radio Testing Sessions



Des Moines 1:00pm

January 19th, 2020
March 15th, 2020
May 17th, 2020
July 19th, 2020
September 20th, 2020
November 15th, 2020
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 10:00am

Dec 7, 2019

(Saturday) @ 10:00 a.m.
Location: Room 1226 Howe Hall, Iowa State University

Location: Iowa State University campus, as noted above
Contact: Matthew Nelson, KBØMGQ, 515-984-0010, or email at kb0mgq@gmail.com

Boone 9:00am

February 8, 2020
April 11, 2020
June 13, 2020
August 8, 2020
October 10, 2020
December 12, 2020

Time: 9:00 AM
Location: Conference room behind the cafeteria at the Boone County Hospital, 1015 Union St, Boone, Iowa

Contact: Steve NØNEU
(515) 432-4006

Marshalltown 9:00am

March 7, 2020
May 2, 2020
August 1, 2020
December 5, 2020

Check-In: 9:30 AM
Exam Starts: 10:00AM
Location: Marshalltown Public Library
105 W Boone Street
Marshalltown, IA

Contact:
Brian Krumm, NØMXK
n0mxk@arrl.net

Time to find a new home for your extra gear?

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

Contact
info@DMRAA.com

Looking for something?
We'd be happy to help you by listing your want items here



Buy / Sell

Many Electronic Parts for Sale.
Many 74### series IC's for sale.
Many 40## series IC's for sale.
Many Transistors for sale.
Many Diodes for sale example 1N4004 1A/400V 5=\$1.00. Also 1N34 equivalent 10=\$1.00.
Many Generic PNP & NPN for sale.
Small signal are 10=\$1.00.
Many capacitors for sale.
Seven segment LED's for sale.
Many small power 1200:8 ohm transformers.
(This was for SSTV/PSK-31 interface and amplifiers)
Email me for your needs and I will let you know the availability and price.

Please no single piece orders. Electronics Nerd needing to share treasures.
Larry KAØFTO
kzlzimmer@mchsi.com



Looking to add the slash zero Ø to your correspondence?

On your desktop computer using the numeric key pad hold the alt key while typing 0216. On a computer with no side key pad go to insert symbol and find the Ø in the list.

Are you checking the website?

Timely news and notices are posted on the DMRAA website.

dmraa.com



Hungry and looking to meet local hams? On Fridays at the Bonanza Steakhouse 5029 NE 14th St, Des Moines, a group of hams meet for lunch. This is an informal meeting and provides an ex-

cellent opportunity to pass information while enjoying a nice selection from the salad bar or menu. The group (around 15) usually arrives around



11:30 and breaks up at about 1:00. All are welcome, including family members.

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

Strays



New Option for Paying Your Club Dues

The DMRAA has just made it easier to pay for your club dues.

Just go to the post on the left **"DMRAA Meetings"** You will see at the bottom the Pay Now icon.

Pay Now



Click on the **Pay Now** and you will be taken to a PayPal page. Tell them you are a guest and how many years dues you would like to pay. Click continue and you'll be able to enter your card information. Click pay now and you are payed up. Couldn't be easier.

We had this option available for the annual Christmas Party and hope to use it for table reservations at the Des Moines Ham-fest.



Cabin Fever Reliever

Cabin Fever Reliever January 25th, 2020

The second annual Cabin Fever Reliever will be held at the Saylorville Event Center 3081 NW Prairie Lane between Saylorville and Johnston just off 66th Avenue.

Admission is free will. The 9am main door prize will be a Yaesu FT3D handheld. Raffle tickets are 1 dollar each or 6 for 5 dollars. Donuts, coffee and other beverages also free will. Same location as last year.

ARES Reflective Vests

Polk County ARES now has several Class 3 Level 2 Safety Vests available for purchase. These are better quality surveyor type vests with sleeves and several pockets in sizes M thru 3XL. They have the words "RADIO COMMUNICATIONS" on the back.

Cost is \$20.

Contact Tom, NØVPR

n0vpr@arrl.net



Note: You need not be a Polk County ARES or DMRAA member to purchase a vest.



Static Sheet Deadlines

Item submission deadline	Publish Date (Email sent)	Web edition posted
February 1 st	February 15 th	February 20 th
April 1 st	April 15 th	April 20 th
June 1 st	June 15 th	June 20 th
August 1 st	August 15 th	August 20 th
October 1 st	October 15 th	October 20 th
December 1 st	December 15 th	December 20 th

WØAK Board Minutes DMRAA

October 1st, 2019 Board Meeting Minutes

DMRAA Board Meeting Minutes

Tuesday, October 1, 2019

Meeting called to order at 7:04

In attendance:

Scott Kirstein, NØOOD (President)

Bill Claypool, NUØQ (Treasurer)

~~Rick Allen, NØCFL~~

Bob Johnson, WØSMS

Mike Waldron, AEØMW

Tom Weaver, NØTLW (Vice President)

Patrick McIntyre, KD9BBA (Secretary)

Ray Harden, WØRAY

Dennis O'Brien, KAØDOS

Board Personnel

Scott NØOOD accepted Lisa's KNØWME resignation as Secretary. The board thanked Lisa for her service.

Scott asked Pat to fulfill the duties of secretary for the remainder of the term.

Motion was raised by Bob WØSMS, seconded and accepted by the board. Patrick McIntyre KD9BBA is now club secretary for the remainder of the term.

Review of August 13 Minutes

Tom NØTLW moved to accept, seconded, approved by board

Treasurer's report

\$23,799.96

New, free PayPal device being sent because of signup special

Working on putting buttons on the site for various payments. Tom NØTLW is going to discuss with Tom Reis NØVPR about adding to the site.

ARES update

Regatta went off without a problem

Broadlawn 145.130 repeater courtesy tone dropped off need and needs to get fixed

QT meeting Oct 7

IMT Des Moines Marathon Oct 20 – need volunteers

Living History Farms Off Road Race Nov 23 – need volunteers

Jon Davis has left as Deputy Director. Tracy Bearden is the contact now

The Des Moines

Radio Amateurs

Association

board meets

monthly in the

upstairs

conference

room at the

East Euclid

Hy-Vee

2540 E Euclid

Ave

Des Moines

October Board Minutes (cont)

Unfinished business

Item B from last meeting: Two VHF/UHF antennas purchased by Tom Reis NØVPR – Still not resolved.

Subcommittee Reports

Repeater/packet None

Education

6 paid for the Technician class on Oct 12th at the Fort DSM Museum

3 paid for the General class on Oct 17. There may be others

Boy Scouts Jamboree-on-The-Air

Oct 18-20th, 2019

Brad Boeckman KC9DMQ may have info on this years event

Programming

Aug - Antenna building was well received

Sep – CW presentation was well received

Oct – 3D printer demo – Tom NØTLW to confirm with presenter?

Nov 26 is the chili Need 5 roasters of chili

Christmas party, Dec 10

Motion – Do a catered Christmas party, sell tickets for \$15.00 per person and the club supplement the remainder of the cost

Sell tickets in advance

Dennis find out from Church what is available for serving utensils and details of using their kitchen

Entertainment – Christmas music

Award recipients - Bill NUØQ is leading this initiative. The announcement for nominations will be at Oct meeting.

New business

Church donation – Bob WØSMS put forward a motion for the annual church donation of \$350. This was approved

Mathew at the fort will be interviewed on KCCI

Membership list

From dues – 132 names on list, 4 people should be removed, 128 total

Only 50 people are paid up for 2019

Dues should be paid at chili feed

Communications

Publicize in advance for planning

Need to craft a letter to the Girl Scouts to send in January to help with their planning. Last year was too late.

Apex in Waukee, STEM education, Tom NØTLW and Dennis KAØDOS to visit

Motion to adjourn, by Ray WØRAY, seconded by Bob WØSMS, motion carried at 8:38PM



WØAK Board Minutes DMRAA

November 12th, 2019 Board Meeting Minutes

DMRAA Board Meeting Nov 12, 2019

Meeting called to order at 7:02

In attendance:

Scott Kirstein, NØOOD (President)
 Bill Claypool, NUØQ (Treasurer)
~~Rick Allen, NØCFL~~
 Bob Johnson, WØSMS
 Mike Waldron, AEØMW

~~Tom Weaver, NØTLW (Vice President)~~
 Patrick McIntyre, KD9BBA (Secretary)
 Ray Harden, WØRAY
 Dennis O'Brien, KAØDOS

Review of minutes Oct 1

Move to approve minutes, Dennis, Pat, approved

Treasurer's Report

24,173.80

PayPal – Goal to be up and running at the auction

Issue raise regarding items that do not work or failed

Take cards

Update website with buttons to pay dues and Christmas party

Pat and Bill to work with Tom to add buttons on the website. Bob will send out invitations with payment info via PayPal

Auction

Two other people helping to write things down

Accept PayPal

Unfinished Business

Two VHF/UHF antennas purchased by Tom Reis NØVPR still not resolved. Carried over from two meetings ago.

Subcommittee Reports

Repeater/packet

None

Education

8 for the Technician class, 7 passed

7 people are signed up for the general class, all paid. Extended by 1 week to December 19th due to the Thanksgiving holiday. Test on the 19th.

Boy Scouts Jamboree on the Air

Oct 18-20th

*The Des Moines
 Radio Amateurs*

*Association
 board meets
 monthly in the
 upstairs*

*conference
 room at the*

East Euclid

Hy-Vee

2540 E Euclid

Ave

Des Moines

November Board Minutes (cont)

Many kids participated, approximately 20-30

ARES Update

Broadlawns repeater tone

Living History Farms Off Road Race Nov 23

Programming

Oct – 3D printer demo

Nov 26 – Chili feed

5 Roasters committed

Auction

Dec 10th – Christmas Party

Decide at Dec 3rd board meeting for food order. 1 week to place order

Review menu

Sell tickets on DMRAA.org website for \$15.00 per person. Club to supplement the remainder.

Tom, Bill and Pat to work together to implement PayPal button.

Entertainment – Christmas music

Award recipients – Bill NUØQ to lead the effort

Mike motion \$100 Decoration allowance. Pat seconded. Poinsettias

Jan – Drone presentation by Trenton?

Feb – National Weather Service

Scott to contact and setup

Mar

Rick Iambic Paddle build?

Solar Panel presentation

New Business

Mathew from the fort was interviewed on KCCI but it has not aired as of yet

Membership List

Mike to take membership committee leader

From Dues – 132 names on the list, 4 people should be removed leaving 128 total

Only 50 people are paid up for 2019

Dues should be paid at the chili feed

Communications

Tom not present

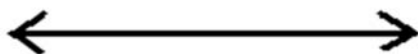
Letter to Girl Scouts to sent in January to help with planning

APEX in Waukee

Hamfest Committee

Scott – DMRAA 2020 Hamfest date of April 18th. Need to contact Associated Radio to verify that date works for them.

Motion to adjourn at 8:32pm by Pat. Seconded by Mike.





Membership
has its
Privileges'





Merry Christmas



The Case for CW in the Digital Age

Tom L. Weaver NØTLW

When I was forced to learn CW to get my Novice license in 1977 I viewed it as an obstacle, pure and simple. I continued in that opinion for the next 41 years.

But something funny happened after I got re-licensed in August of 2018. In December my XYL found my old Bencher paddle in the basement. I'd been having SSB QSOs for about three months at that point and hadn't given a thought to CW.

For some reason though, I dusted it off and used a pair needle-nose pliers to bend it back into working order. I plugged it into the back of my IC-7300 and the paddle worked, but me - not so much. I had forgotten most of the alphabet except for my old call's characters. That irritated me, so I decided to try to learn the code again - maybe.

Toward the end of December 2018 in a (very slow) QSO with yet another supportive and complimentary CW op, I got a friendly nudge to check into the CW Academy at CWOps.org if I "wanted to learn CW right". By the way, my experience has been that CW ops are absolutely the most warm, encouraging, friendly and supportive group in all of Ham radio.

I emailed Kate at CWOps.org and in January attended my first class. By the end of May I had finished their Advanced class and decided to re-take Advanced in Sept/Oct because it was so much fun and I still wanted to improve my head copy speed.

At the end of November I was nominated to join CWOps.org by Tony, N3ZN (n3znkeys.com). My former CWA Advisors and a couple of other CWOps members endorsed me, and I'm now a proud CWOps member# 2364.

Here's my take on why CW is so rewarding in this digital world:

- 1.) CW is like learning a new language, but has big additional benefits.
- 2.) Sending CW with excellent rhythm and timing is deeply satisfying; I can't put my finger on exactly why, but it's certainly true.
- 3.) Head copying (no pencils!) CW at speed is very much a Zen-like experience, requiring total concentration yet promoting a deeply relaxed state of mind at the same time.
- 4.) For anyone interested in DX during this no-sunspot end-of-cycle period, CW is a fantastic path to world-wide DX QSOs. Barefoot - no amplifier required, although a good antenna really supercharges CW.
- 5.) It's growing in popularity instead of declining; CWOps' CW Academy had nearly 1,000 students enrolled in their classes this year.
- 6.) CW just takes enrolling in CW Academy, time and a little daily practice. No special gear other than a paddle to plug into your HF rig. After a career in I.T. Security, dealing with software glitches, firewalls, routers, network management and having to keep Microsoft Windows networks secure, I appreciate simplicity.
- 7.) To my utter amazement, I no longer use the desktop microphone I bought at extra expense last September. No more microphone settings, how does my voice sound, what's my modulation level, turn your modulation up, turn it down, get a different mic, etc. Geez...
- 8.) Instead of buying an amp last year, I dug a hole in my backyard, bought several used sections of Rohn 25G tower and mounted a hexbeam only two weeks ago at 60'. OMG - nearly every DX station I've heard at any RST level I've been able to contact on my first call.
- 9.) I'm using a notebook for logs; no computer necessary other than QRZ.com on my iPad or laptop to look up who I'm chatting with. I happily endorse the KISS approach to Ham radio!
- 10.) I've met more new friends on CW than I ever believed possible, and I'm looking forward to my first experience as a CWA Advisor in January 2020. I'll have ten students across two classes on Zoom Video conferencing software, and I'm looking forward to giving back to the CW Academy.

If you've been a Ham for a while or for decades and are open to learning CW as a language (just head copy - no writing!), give the CW Academy a try. CWOps.org is a great group, CW Academy is fun, and CWOps.org is a wonderful group of smart, supportive and friendly CW pros. CW is an underrated, tremendously rewarding mode.

73 de Tom NØTLW

What sport do you take off your shoes first?

Ok if you can't guess it is the Head of Rowing Regatta! I found this out back in 2011 the first year I got involved in that event. They remove their shoes to reduce weight! I got the bug and have volunteered every year since then. Oh yes I missed 2016 and 2018 as did everyone else because of weather or high water. One year, I don't remember which, the Tent roof we were under was almost picked up and blown into the river. My J-Pole, taped to one of the Tent legs, that was connected to my 2 Meter HT attached to my belt, was pulling me toward the river! It took two of us holding onto the legs to keep me from having to swim in the Des Moines River J-Pole, HT and all!

So why do I keep volunteering for the **best position**, the **START LINE**, for one of the longest events of the year? I am not sure maybe because all of the Rowing Club volunteers all do their job with a smile on their faces? I have never heard a complaint from any of those folks and they seem happy to be there!!!!

I was up at 5:30am that day and headed for home at about 4:45PM. Retired guys do not remember getting up that early.

The Rowing Regatta volunteer I was paired up with was Alan Ruvelson. One year the Rowing Regatta volunteer used up 3 cell phones passing the info to the Finish Line. Now Laptops and Hot spots fed by a Marine Battery and a 12V-120V AC inverter. This year I was paired up with David KEØTMO and he did a great job. Most of the time he was using 2 HT's. One was simplex with the **Start Marshall** and the other was on the Repeater all of the rest of us were using. The **Start Marshall** has a disadvantage as they are on the river that is lower than most of us so that is why they used simplex to talk with David and then he passed traffic on to the rest of us. I hope he enjoyed it and will volunteer for next year as was really busy. I did not use two HT's until about the last two hours and was not easy keeping up.

There were some mishaps but just some contestants getting wet. I think 4 roll over's and one craft got tangled in a tree and broke their bow??? It seemed these items were barely mentioned and help was on the way. We had multiple communications paths but it is better to hear a report twice rather than not at all.

Years ago I loaned an extra J-Pole to the **Start Marshall** Radio operator and they clamped it to a 10 foot length of PVC and tied it to the windshield, on the boat, and that really helped. Next year I can loan it to whoever is at that position. A critical item, with my J-Pole I provide a 15' length of RG-8X with a PL-259. The user will have to provide an adapter to match their HT. Whoops not an adapter but an **adapter cable** so the RG-8X PL-259 will not put stress directly on the HT whip connection!

I of course took about 8 photos. We were busy so took most at Lunch break. The photos show the Laptop & Hot spot, the **Start Marshall** in their boat, my J-Pole taped to the tent, the whole group with David KEØTMO with the stocking cap, and of course the Botanical Gardens. The last photo shows the Dam just below the Start Line and if you see that you are too far!!!!

OH YES WHEN WE WERE TEARING DOWN I TOLD THE VOLUNTEERS "SEE YOU NEXT YEAR"?







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

E-mail: info@dmraa.com

Can you hear me now?

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

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



DMRAA Membership Application

Des Moines Radio Amateurs Association

Name: _____

Address: _____

City: _____, State: _____ Zip: _____

Phone Number: (____) _____ Email: _____

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

ARRL Member: Y / N

What are your primary interests in amateur radio? _____

What are you interested in learning about? _____

How would you like to volunteer with the club? _____

Dues \$20 Single
\$60 3 Years

NOTE: Dues are for calendar year.

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

