



Official Publication of the
West Allis Radio Amateur Club

Hamtrix

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JULY CLUB HAPPENINGS



NUT NET

3.985mhz

Monday-Saturday

8:15am CT

NUT NET

Breakfast

8:30am fourth

Tuesday

of the month

Milwaukee-Florida Net

Every Day on 14.290 Mhz

7:00AM - 9:15AM ET

6:00AM - 8:00AM CT

Sunshine Committee

If you know of a member who could use a bit of cheer or support,

Barb Garnier (KD9HPS) is now the Sunshine Committee Chair.

You can get hold of her at 414-529-3536 or

barbsewsblue@gmail.com.

Club Meeting

St. Peter's Episcopal Church,
7929 W. Lincoln Avenue, West Allis

July 10, 2018 7:00 PM

Field day

See new projector in action

Bouvet Island video

Premeeting dinner

Johnny V's Classic Café, 1650 S. 84th St. at 5:00PM.

WARAC 2-meter net

Every Wednesday at 8pm

SEWFARS W9TJK Repeater 146.820 standard (-)
offset

127.3 Hz CTCSS

if repeater down try 146.55 simplex

Save the Date

2018 Awards Dinner

October 21, 2018 at 5:00pm

The President's Shack July 2018

Field Day 2018 is in the books. If you made it out to the club's site, then you were rewarded with a new layout, great band conditions, weather that could not have been better and an array of equipment to tempt your ham radio soul. It really was that good and at the end, I was plain dog tired. Check out the FD articles and pictures a few pages in this Hamtrix. Or take a look at the Facebook sites and our web site. Chris unleashed his drone with spectacular results. Dave and Barb Garnier did a masterful job with the GOTA station. Chuck and Tom running the 2 main HF rigs was smooth going. And the propagation gods smiled on Phil and Steve's VHF operation. The digital performance, well that didn't go quite as well.

Alas we had issues getting PSK to work reliably. RTTY was cool, but the bands were not exactly awash with prospective contacts. Which leaves us with FT8. What a mess. The limitations of that protocol were not exactly ironed out in time for FD. So transmitting the FD exchange was, well, hit or miss. Mostly miss from what I experienced. Except maybe that does not really matter: *See figure #1*

Having contacts count without logging the contest exchange is news to me. That is the very

figure #1



figure #2

I don't understand all the worry about recording the class and section. This is NOT required for Field Day, there is no log checking, the only requirement is to record enough information to eliminate any dupes in you score. If you just use WSJT-x, JTAlert, and N1MM+ with the standard sequence the frequency, mode and call are filled in correctly. That is the information you need to eliminate dupes. The class and section are left blank and the points are correctly set to 2.

NH6Y, Jun 21, 2018 Report

#94 Like Reply

We will send "3A PAC 73" for the final message. If the other station sends a class and section we will enter them by hand into N1MM+, if they don't then we will leave the fields blank. We always work lots of DX that do not send the "1D DX" exchange and we also work US/Canada stations that are not in the contest and do not send the exchange, those qso's have always counted.

definition of a slippery slope. The ARRL needs to fix and/or clarify this one. I know FD is NOT A CONTEST. Yeah, sure. Well if playing loose and free with the rules floats your boat, go for it I guess. That's not how we play the game.

And to not leave things on such a serious note, if you have not spun the dial on the KH1 Baker Island event, well, you're just not listening to the band. The long and short is the KH1 team is trying out FT8 Fox and Hounds mode. To gauge the results, here is a screen shot of a DX Cluster I happened on the other day. Pretty funny: *See figure #2*

With that out of the way, come on down for the next club meeting. The agenda includes

- Field Day 2018 Wrap Up: Chuck, W9WLX, our Field Day Chairman will be telling us all about the event
- Bouvet Island: Detailed presentation on what went wrong with the 3Y0Z expedition earlier this year

And don't forget, Johnnie V's for premeeting dinner. Join all the cool kids for an early dinner.

So get on the radio and make some RF. The summer season has arrived.

73's

MJ,W09B

Check out our Facebook page!!! Start Posting!!!!
<https://www.facebook.com/WestAllisRAC/>

de	dx	freq	obs
DK1AX	KH1/KH7Z	14090	[OC-089] trx FT8
PP5BK	KH1/KH7Z	14023	[OC-089] QRMERS BUNCH OF LOOSERS
N0FW	KH1/KH7Z	14023	[OC-089] Grandpas Behaving Badly
SV1FJA	KH1/KH7Z	14090	[OC-089] FT8
DM5MR	KH1/KH7Z	14023	[OC-089] thanks for destroying the only 10 min prop in 2 d.Hope yo by lighthing
PP5BK	KH1/KH7Z	14023	[OC-089]
K8RUE	KH1/KH7Z	14023	[OC-089] soo many LIDS in one place - SADI
HA8WX	KH1/KH7Z	14023	[OC-089] PUSH SPLIT BUTTON IIIII
DS3HWS	KH1/KH7Z	14090	[OC-089] nothing all not cfm swl

WARAC General Meeting Minutes

June 12th, 2018

The General Meeting was called to order at 7:05pm by President Mike, WO9B.

The minutes for the Board Meeting and the Membership meeting were approved.

Mike, WO9B, asked for comments about the Dayton Hamvention held last month. Barb, KD9HPS, talked a little about her trip to the Hamvention, and her quest to get information about bringing new, younger members into the club. John, N9LGD, talked about the 1Kw autotuner that he bought there.

Howard, WA9AXQ, announced the 2018 winner of the David Knaus Memorial Scholarship, John Fuller, KD9DMN, of Pewaukee, WI. He is a senior at Marquette University majoring in Mechanical Engineering. Mike, WO9B, and his son Matthew personally know John.

Mike, WO9B, discussed the proposal to purchase a new Video Projector for the Club. Jim, WB9IXS, asked if there were funds available to make the purchase. Bill, N9KPH, indicated the general fund balance, and then Jim made a motion to accept the proposal. Barb, KD9HPS, seconded the motion. A voice vote was held, and passed unanimously.

Mike, WO9B, talked about the goals that he presented to the Board. He highlighted these goals:

1. Searching for a new Meeting site.
2. 2018 Membership Handbook.
3. New Video Projector.
4. Using PayPal to sell swapfest tickets and tables.

Tom, K9BTQ, gave a Powerpoint presentation of the 2018 WIQP results. A short discussion followed. Tom indicated that the results would be on the website in a few days.

Chuck, W9LWX, presented the plans for the upcoming Field Day event.

1. A new layout is planned with the campers placed closer together, and closer to the food tent.
2. Barb, KD9HPS, and Dave, WB9OWN, will

run a GOTA station using a vertical and Barb's IC7300 Xcvr.

3. Tom, K9BTQ, and Jim, WB9IXS, and Phil, W9NAW will place the antenna support ropes in the trees earlier in the week of Field Day.

4. Howard, WA9AXQ, requested a hand count of people who would be at the site for lunch on Saturday. 13 people indicated that they would be there.

5. Mike, WO9B, indicated that Saturday dinner menu was pulled pork sandwiches, baked beans, and coleslaw. For dessert Barb brought Lemon Bars, and Howard brought Brownies. The Sunday morning menu would be Pancakes and bacon and sausages by Mike, and Donuts by Phil, W9NAW. Phil will also bring the coffee.

6. Erwin, WI9EV, indicated that the New Berlin Mayor would be at the site on Saturday afternoon, and would provide the Ham Radio Weekend Proclamation that he has done in previous years.

7. Chuck passed around a signup sheet, and Jim asked that people might operate in pairs, to make the experience more fun.

Mike, WO9B, indicated that the Alltone Xcvr group purchase was completed. He asked if there may be other items that the group might like to purchase.

Bill, N9KPH, talked about the 13 colonies special event happening from July 1 to July 13.

Steve, NO9B, reminded the members of the South Milwaukee ARC swapfest on Saturday, July 7th. He will be there with club items to sell. Stop by the table and say hi.

The meeting was adjourned at 9:00pm with a motion by Bob, KC9AGX.

Eyeball QSOs followed the meeting.

Respectfully submitted,

Howard Smith, WA9AXQ

WARAC Secretary

July 2nd, 2018

WARAC Board Meeting

June 26th, 2018

The meeting was called to order by President Mike, WO9B, at 7:05pm.

All Board Members were present.

Mike, WO9B called the meeting to order at 7:00 pm.

Mike, WO9B, brought the new projector to the meeting, and demonstrated it to the board members. He used the video about the 3Y0Z DXpedition that was canceled at the very last minute. The images from the new projector were quite bright, and very sharp. This should be a big improvement over the current projector.

Treasurer Bill, N9KPH, had provided an email with the treasurer spreadsheets. He asked if there were any questions or issues. None were voiced.

Secretary Howard, WA9AXQ, reported that 21 members and no guests attended the June meeting. There was a discussion as to how to get the names of visitors so they could be contacted after the meeting to encourage them to become members. It was agreed that a simple visitor form should be created. The visitor should be asked to fill out the form, and the secretary should forward the visitor forms to the board

members. The 2018 directory is progressing. Once the database is updated, 5 member handbook proofs should be produced for review by the members. Once that occurs and corrections have been made, then the printing of the handbook can be done.

Equipment Sales Chairman, Steve, NO9B, reminded the board that the SMARC Swapfest is Saturday, July 7th. A short discussion was held about equipment that we had to sell at the swapfest. Howard, WA9AXQ, needs to contact Erwin, WI9EV, about the Swapfest fliers that he hands out at the SMARC swapfest.

The July meeting will feature the Field Day wrapup, and the 3Y0Z DXpedition video.

Mike, WO9B, suggested that the 2 Meter Wed net be held at a park sometime during the summer. A park and a date was not chosen.

The meeting ended at 7:45 pm.

Respectfully submitted,

Howard Smith, WA9AXQ

Secretary, WARAC

July 2nd, 2018



Special Event Corner June, 2018

By Bill Reed/N9KPH

Bill says it is a slow month so nothing to report. If you enjoy Bills work on this column let him know. (editor)



GOTA operation at Field Day

Barb KD9HPS

The GOTA tent for 2018 WARAC Field Day was set up using our radio and antenna that WB9OWN and I use for our POTA activations, with the addition of displays and Morse key. We added the automatic logger to the radio, which we use with the record mode to allow for confirmation of call letters and the ability to share QSOs with any guests on the air. I had lots of fun with the 4 kids that showed up, especially Carter (A natural with the Morse key!) and Max, a very computer savvy 6 year-old. I can see both these young men with their licenses next year.

DX / CONTEST UPDATE

<http://www.iz5cml.it/dxschedule>

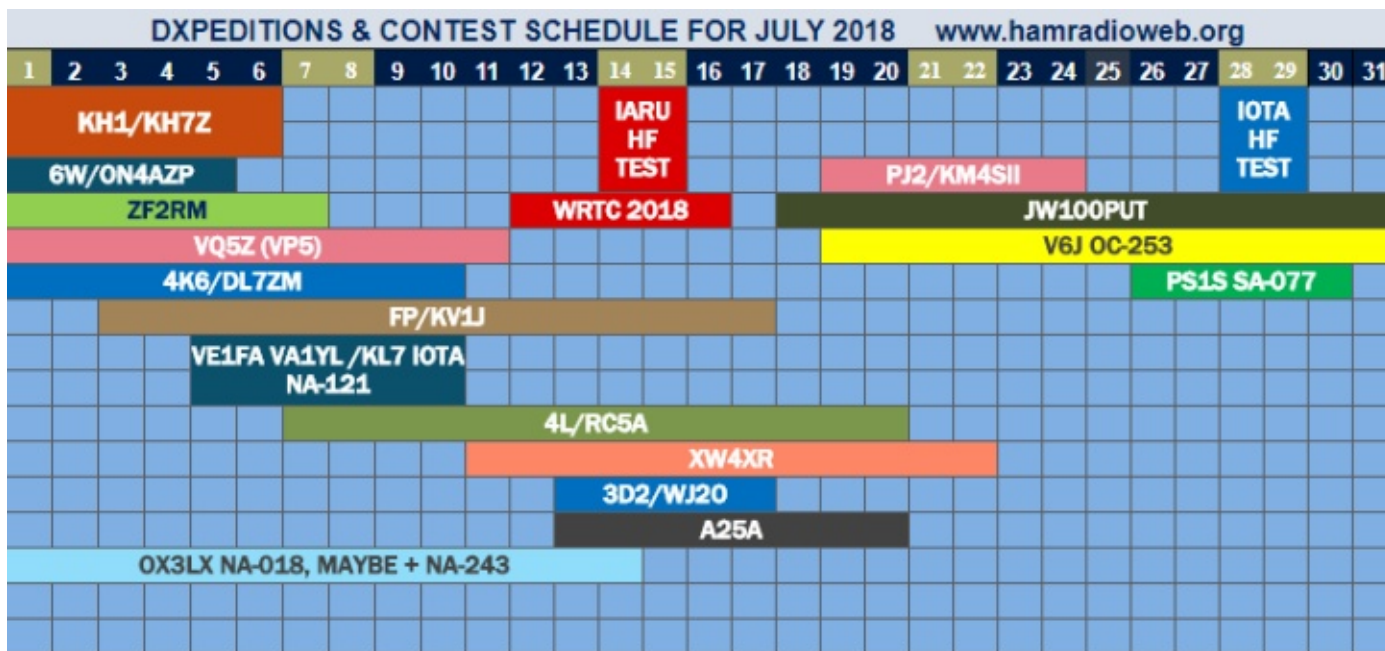
DX: By the time you read this, the KH1 Baker Island DXpedition will be in the can. I've yet to even hear them on my trusty dipole. Alas. Well the good news is not much is on the horizon of DX interest for the rest of the month. So, crank up those RBN's and Skimmers and do DX the old fashioned way....stumble on it.

Contests: The contest calendar is a bit sparse. At least for major contests. But the summer months provide an opportunity for all manner of little contests. Of course the best July contest is the RAC July Canada Day event, and it was really great this year. But for those with the desire to play around a bit, here is what's happening:

- Every Wednesday Night: CWT Mini-Test: 10:00 PM to 11:00 PM
- Every Thursday Night: QRP 20 Meter Fox Hunt: 8:00 to 9:30 PM
- Every Third Sunday: Run for the Bacon 8:00 PM to 10:00 PM
- CQ Worldwide VHF Contest: July 21st to July 22nd
- Flight of the Bumblebees: July 29th, Noon to 4:00 PM

Full Contest Schedule check:

<http://www.contestcalendar.com/index.html>





Hamtrix Sale Corner

The West Allis Radio Amateur Club (WARAC) has received a generous donation of radio equipment from Bud's (W9YGD-SK) family estate. Unless otherwise noted, all items listed below are in excellent condition.

Drake L4B linear amplifier/power supply with operating manual.

MFJ Versa Tuner III, model MFJ-962.

Heathkit 2KW manual Antenna Tuner which has been modified adding a SWR meter.

NPC 12VDC, 12 amp Power Supply in good

condition.

Astron Power Supply 12 VDC (variable adjust) 35 amp, model VS-35M.

Icom IC-741 HF Transceiver with mike, power cable, and operation/service manuals.

For additional information, prices and what else may be included with each item, contact Steve, NO9B, 262-993-9470.

Phil W9NAW
2018

3 July



Field Day 2018

By Chuck Dellis, W9WLX, Field Day Chairman

Field Day 2018 is a wrap! We tried a few new things this year, piquing the interests of our Field Day teams. We had a successful event resulting in an even better experience. This year we did 965 QSOs vs. last year's 1,115, not including the GOTA station with 156 QSOs. Our overall numbers were down 13% over last year.

Our site was visited by New Berlin Mayor, Dave Ament, and Emergency Management Deputy Director, Jim Burns, KD9CIV. Thanks to Erwin von der Ehe for driving the awareness of Field Day with the New Berlin municipal government. For the fourth year, a Proclamation to officially recognize and designate June 23 & 24 as Amateur Radio Weekend was made by Mayor Ament.

Antenna locations were similar to last year; however, the station campers were co-located next to each other as well as the food tent. Arranging it this way made it easier for visitors and participants to move between stations, improved accessibility to food and refreshments, and promoted a better team environment overall.

New for this year was a GOTA station. Thanks to Barb and Dave Garnier for hosting the activity. The GOTA tent was a big visitor attraction. Barb did a great job attending educational sessions in Dayton and preparing instructional aides for the audience. Four youths took part.

The stations ran on the same antenna farm as last year. 10 meter operation shifted to the 40/15 station as the 80/20 station's loop did not load up on 28 MHz. Additionally, digital QSOs were worked from the 6 meter station using a whip vertical with a Wolf River coil, bumping us into the 3A class. The last change was upgrading last year's Flex 6500 to a Flex

Band	PH	CW	Dig	GOTA All PH	*Total
6M	99	0	1	0	100
10M	20	40	0	13	60
15M	31	33	0	52	64
20M	198	239	12	21	449
40M	148	111	6	70	265
80M	1	26	0	0	27
Total	497	449	19	156	965

*Total does not include GOTA

6600 with two spectral capture units. Using the Wolf River vertical, diversity receive was used on 40 meters during the overnight hours receiving stations in both vertical and horizontal polarizations, minimizing QSB.

Short description of station setup:

- Icom 7600 for the 80/20 station, using 80 meter loop
- Flex 6600 for 40/15/10 station, using multi-band dipole and Wolf River vertical
- Icom 7100 for the 6 meter and digital station, using 6 m Yagi and loop, Wolf River vertical for HF
- Icom 7300 for the GOTA station, using vertical rover antenna design

We worked 76 of 83 sections. The seven missing sections were Alaska, Idaho, Manitoba, Newfoundland/Labrador, Northern Territories, San Francisco, and Saskatchewan.

Thanks to the entire WARAC team that help made Field Day 2018 a success! Congratulations!

-73, Chuck, W9WLX

Top 10 QSOs/Sec		Bottom 10 QSOs/Sec	
OH	66	ND	2
VA	45	NV	2
GA	34	MAR	1
WPA	34	AB	1
NC	33	NNY	1
CO	30	ONN	1
EPA	29	ORG	1
NTX	28	PAC	1
MDC	27	PR	1
STX	27	SB	1

Year	Total
2018	965
2017	1115
2016	830
2015	1540
2014	691
2013	875
2012	958
2011	921

Pre field day charging battery with solar power.



info on flying drones

https://unmanned-aerial.com/faa-reauthorization-amendment-seeks-section-336-reform?utm_medium=email&utm_source=LNH+04-26-2018&utm_campaign=UAO+Latest+News+Headlines

Field day 2018 pictures also some on our Facebook page and here

<http://www.warac.org/fd/2018/pix.htm>

From the Editor

Here it is the morning of the 5th of July and I'm just finishing up the Hamtrix. Not that I had planned it. I actually planned to be done on the 3rd of July but didn't take into account on how much prep work we had to do for the 4th of July.

Living in Hales Corners, like we do we have sort of become our families 4th of July central. Hales Corners has a great 4th of July celebration including parade, fireworks, car show, 4 mile run and other things. We live within walking distance of almost all of it.

So we usually have dinner for any family interested after the parade and then walk up to fireworks. Good time had by all.

Still enjoying the DMR handi talky we bought. The huge battery it comes with makes it nice to just leave on while in the house or car. There are enough repeaters around you can talk with a simple antenna. One simple thing learned about the DMR system: there is enough latency in it that you won't get a feed back audio loop with it. You just get an echo, enough to make it hard to listen to but easier on the ears. HI HI

Hope to see you at the meeting. If you have any thoughts on Hamtrix, the articles, let me and/or the authors know. If you want to submit an article I'll be happy to receive it.

Frank KA9FZR

Officers and Board

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***See our Web Page or contact us
for more information on***

- WARAC Memorial Scholarships
- Wisconsin QSO Party
- Midwinter Swapfest
- Worked all Wisconsin Counties Award
- Amateur Radio Classes

WARAC holds meetings on the second Tuesday of each month and board meetings on the fourth Tuesday of each month. Meetings are held at 7:00 PM at:

**St Peter's Episcopal Church
7929 W. Lincoln Avenue
West Allis, WI**

Entry is off the alley at the rear of the church.
A wheel chair ramp and chair-lift are available.