



Official Publication of the
West Allis Radio Amateur Club

Hamtrix

[click here to go to web site](#)

Volume 69, Issue 10 November, 2020

NOVEMBER 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.
Contact her: 414-529-3536 or barbsewsblue@gmail.com.

Club Meeting Tuesday November 10, 2020 7:pm

Presenter Paul Mower VA6MPM
SOTA experiences in the Canadian Rockies

See Pge 2 for more info

Zoom Meeting

<https://zoom.us/j/6474845588?pwd=WjRRQ3E5bHVlbDY5aGNhazNwZlh0dz09>

Meeting ID: 647 484 5588

Passcode: warac

Zoom phone in info on page 13

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

Index

President's shack	2	Club renew membership/.....	11
Minutes	3		
DX/contest update.....	5		
Hamtrix Sale Corner.....	6		
The Chase Chuck competion..	10		
CW Practice.....	11		

WARAC NOVEMBER PROGRAM



Paul Mower, VA6MPM, will share his incredible SOTA experiences in the Canadian Rockies. Paul is a member of the Alpine Club of Canada and lives just outside of Banff National Park. This is a great opportunity to learn about the world of SOTA ops above the 3000 meter height.

My morning nut net breakfast shack HI HI



The President's Shack

I could call this edition the Christmas issue with all the things available in the "Hamtrix Sale Corner" Check it out!

We are going to be experimenting with a method to help those who want to improve their Morse code skills. More details at the meeting and in Hamtrix on page 11.

My next project looks like it is going to be installing a screwdriver mobile antenna I bought from the club. Who knows where this will go. Might be an article later.

It is November so we are asking you to renew your membership. There are multiple ways to do it. See page 11 for more info. **We ask you to get this done as soon as you can.**

We as a club are trying to keep things interesting. If you have any ideas for us to try or stories to tell let us know.

Hope everyone is staying safe and have prepared for the winter. Though as I write this winter seems far away. (Remember this is Wisconsin.)

73

Frank KA9FZR

From the Editor

No editorial due to being occupied by the President's Shack

WARAC Club Meeting Minuets October 13, 2020

Due to the nature of the COVID-19 crisis and Governor Tony Evers “Emergency Order #12 Safer At Home Order”, Chuck W9WLX hosted the Zoom Meeting.

The club meeting was called to order 7:02 pm by Frank KA9FZR.

Approximately 15 virtual club members were identified by the Secretary Dave WB9OWN as being present.

A motion was raised to accept the meeting notes of September 9, 2020 as published in last months Hamtrix; it was accepted.

Club Presentation, Roof Top Tower Construction by Steve Dryja. Steve described the reverse engineering and building W8IO's 10 foot stout roof top tower, <http://www.w8io.com/rooftower.htm>
Steve used W8IO's mechanical drawing, created a parts list of materials and submitted them to Speedy Metals for purchase. Note, Speedy Metals delivered all of the materials “cut to size” <https://www.speedymetals.com/> so all Steve had to do was drill the holes and bolt it all together! The assembly went together without any issues but Steve added a couple horizontal rungs for ease of climbing. Steve had some north/south indexing issues with the rotor; there maybe an open connection on rotor location pot. There's a silver based epoxy that could be used to “repair” the open spot on the location pot. See Steve for further details.

Club Discussion.

Mike Johnson W09B discussed contest opportunities for the coming weekend.

Next month's club presentation: Summits On The Air (SOTA) by Paul Mower, VA6MPM.

General meeting was adjourned about 7:47 pm.

Respectfully submitted,
David Garnier WB9OWN
Secretary WARAC, October 13, 2020

NOTE: Please check attendance sheet for errors or omissions!! • — • —•

West Allis Radio Amateur Club – Sign In Sheet	10 Ewin von de Ehe WI9EV
10/13/20 Zoom Log-on Listing	11 Al Hovey WA9BZW
	12 Paul Sperbeck W9PCS
1 Frank Humpal KA9FZR	13 Lee Todd K9HCW
2 Chuck Dellis W9WLX	14 Bill Dargis KD9BJZ
3 Steve Dryja NO9B	15 Phil Gural W9NAW
4 David Garnier WB9OWN	
5 Mike Johnson WO9B	
6 Tom Macon K9BTQ	
7 Bill Reed N9KPH	
8 Howard Smith WA9AXQ	
9 Phil Tollefson WA9AQL	

WARAC Board Meeting Minuets & Reports October 27, 2019

Due to the nature on the COVID-19 crisis and Governor Tony Evers “Emergency Order #12 Safer At Home Order”, Chuck Dellis conducted the WARAC club Zoom virtual meeting.

The board meeting was called to order 7:20 pm by Frank Humpal. Board members present were Steve Dryja, David Garnier, Frank Humpal, Mike Johnson, Tom Macon, Bill Reed and Phil Tollefson. Evwin von de Ehe was not present. Chuck Dellis was the Zoom webmaster and thus was the only visitor present.

1) Chuck Dellis reported on past WARAC 10 Meter Contests. 10 Meter Contest activity has fallen off in the past years, it could be due to lack of interest or being near the bottom of the solar cycle... Chuck stated that he’s not interested in running the 2020 contest since he’s assumed WI QSO Party. “Is any board member interested in taking Chuck’s leadership role in running the 10 Meter Contest?” No board member volunteered. Frank made a motion he would include this in November’s Hamtrix requesting a volunteer to step forward and take Chuck’s place. Frank mentioned that maybe WARAC club should drop running this contest and operate it as club activity. (Thank You Chuck Dellis for conducting the past years WARAC 10 meter contests and administrating the awards!)

2) Membership Book Discussion. Tom Macon talked about updating the 2019 Membership to reflect current membership and incorporate any other needed changes. A discussion ensued on how to easily accomplish this task. Someone suggested making the Membership Booklet a “PDF copy” for all to have. Board members were in favor of this idea. Tom volunteered to create this document. When completed this would be sent to the membership and each person would be responsible for correcting their information. Since membership renewal is coming up Tom will hold off until February of 2021 before emailing the booklet out for corrections.

3) Bill Reed volunteered to generate 2021 Renewal of Membership form. Club members could then renew their membership by using PayPal, sending the renewal as “Friends or Family” payment. Or send Bill a check via surface mail. The renewal paperwork must be forwarded to secretary for updating the database so Tom Macon has an up to date copy to generate the Membership Book.

4) Treasure Report by Bill Reed. Bill presented an Income & Expense for 11/1/2019 through 10/24/2020. Bill also presented Proposed Budget 11/1/2020 through 10/24/2021. There are some assumptions built into 2021 years: budget: the Pandemic disappears and life returns to normal and the club resumes Field Day activity, Awards Dinner and 2022 Winter Swap Fest. Nobody really wanted to comment on this optimistic view for 2021. (On a personal note, I have been thinking about how long it’s going to take to vaccinate 320 million American citizens while filling out the appropriate documentation. I kept these thoughts to myself.) Mike Johnson presented a riff off of Bill’s proposed budget of 2021. Drop the swapfest and do two Sendik’s events making up for Swapfests lost income.

5) Swap-Fest 2022 report from Mike Johnson. Irregardless of 2021 Covid 19 status we need to start executing the planning for Swapfest 2022! “Do we or don’t we?” A motion was made to move this decision to the next board meeting, March or April time-frame.

6) Mike Johnson has confirmed the New Berlin Rec Center is now open for business. Resuming club

meetings needs further discussion.
 Board meeting was adjourned at 8:37pm.
 Respectfully submitted,
 David Garnier WB9OWN
 Secretary WARAC.
 October 27, 2019 • — • —•

DX UPDATE:

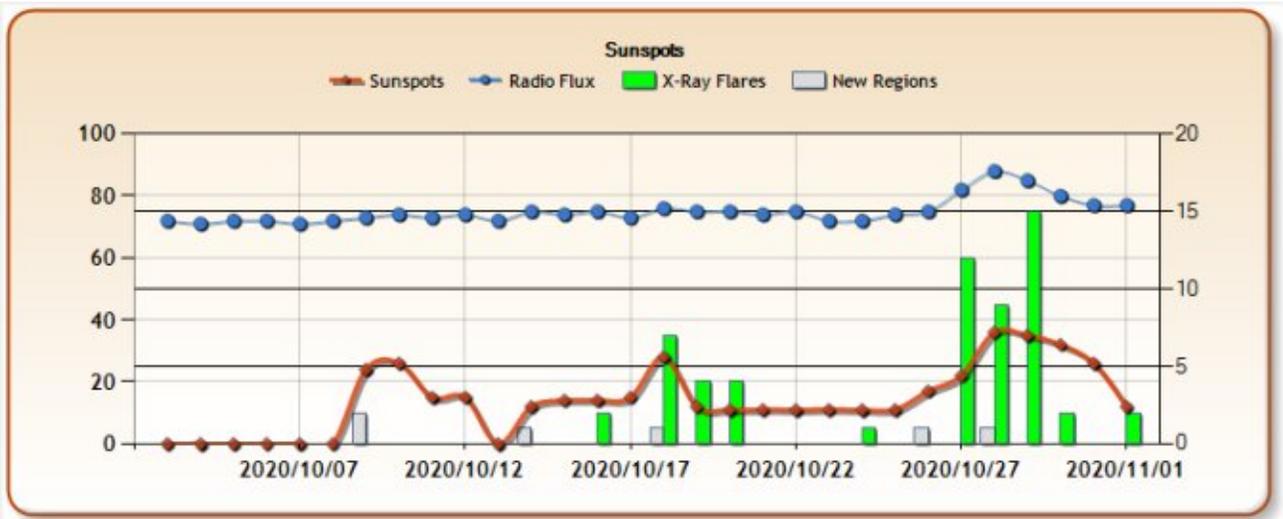
NOTE: All are subject to change, such is the world right now

The ops are all pretty standard type events. Lots of PAC areas, so difficult to work from the midwest.

Activity is dependant on travel restrictions, so it is a wild card at best. The good news, bands are getting better.



Sunspots: Solar activity has taken a jump as of late October. Though early Nov is moving downward just a bit, sunspots, flares and new regions continue to build. The increased activity has reflected in considerable band openings on 10 and 15 meters. The CQ WW contest saw opportunities to EU and SA on 10 and 15. Where the transequatorial activity is “normal”, the strength and duration was a welcome treat. Keep an eye on the solar numbers and add 10 and 15 meters back to your agenda.



CONTEST UPDATE:

State QSO Parties are done for this year. Been a real barn buster of activity due to the State QSO Party Challenge. But November means it’s time for the major contests to land. So we have (2) Sweepstakes and the final CQ WW DX event. Big month. Get your chairs donut cushion ready to go.

- ARRL Sweepstakes - CW: Nov 7-9
- Bruce Kelley 1929 QSO Party, Nov 7 & 8, 14 & 15
- ARRL Sweepstakes - SSB: Nov 21 - 23
- CQ WW DX, CW: Nov 28-29

Hamtrix Sale Corner

Hamtrix Sale Corner

- 5 good sections of Racine Tower with a home brew top section, one bent section that could be buried in concrete.
- Phil has a 40ft Rohn 25 tower with a rotor plate \$100. Please contact Phil with questions 414617-7029.
- 5 element 6M optimized beam made from a Cuschcraft 15m beam.
- Tektronix Desktop scope 7704A with 4 plugins, great shape and has been tested as working.
- Two mobile antennas, on Texas Bug Catcher and another tunable unit, both ready to be used in a Class 3 hitch.
- LMR-600 with N-Connectors, most lengths are about 80ft, one roll of about 140ft. (0.5db loss at 50mhz)
- Many headphones, some microphones.
- Lots of bulk cable like 18-2 shielded.
- Lots of stuff in the trailer which you're welcome to come and look and "rummage" around, just put things back the way you found them.

Email or call, no9b@arrl.net, 262-993-9470

Thanks
Steve



LMR-195 Solid Center conductor.

Wrapped package is 17meters and BNC connectors on both ends, unwrapped is 17meters and a BNC on one end



Group A:

N Connectors both ends Approximate length 30ft

Group B:

No connectors, approximate length 30 ft except the large roll in the foreground which is about 130ft

Group C:

N Connectors on both ends, approximate length 80 ft

	LMR-1200	LMR-900	LMR-600	1/2" Superflex	LMR-400	Belden 9913F7	9914	RG214 RG213	LMR-240	Belden RG8X	LMR-
Frequency/Size	1.200"	0.870"	0.590"	0.520"	0.405"	0.405"	0.400"	0.405"	0.240"	0.242"	0.19
30 MHz	0.209	0.288	0.421	0.561	0.7	0.8	0.8	1.2	1.3	2.0	1.1
50 MHz	0.272	0.374	0.547	0.730	0.9	1.1	1.1	1.6	1.7	2.5	2.1
150 MHz	0.481	0.658	0.964	1.29	1.5	1.7	1.7	2.8	3.0	4.7	3.1
220 MHz	0.589	0.803	1.18	1.58	1.8	2.1	2.1	3.5	3.7	6.0	4.1
450 MHz	0.864	1.17	1.72	2.32	2.7	3.1	3.1	5.2	5.3	8.6	6.1
900 MHz	1.27	1.70	2.50	3.41	3.9	4.4	4.5	8.0	7.6	12.8	9.1
1,500 MHz	1.69	2.24	3.31	4.57	5.1	6.0			9.9		12.1

Hamtrix Sale Corner (continued)

Brian - K9WIS

Hi Frank, I do have an item for sale..I'm going back to my QRP roots so I have no need for this amplifier any more. Perhaps someone will need the extra few DB to get that clean sweep for sweepstakes this month.

Ameritron - 811

30-40 W input yields 500-600W output

\$500

K9WIS@twc.com

262-662-0286



If Anyone knows of a person or place that would like some QST's let Rich K9GDF know (editor)

Hello Frank,

If one of your members would like 2010 to 2018 ARRL QST Magazines, please have them contact me - Rich Regent, K9GDF, regent@execpc.com.

My libraries are not accepting QST, they have their own subscription and are not selling any used books right now.

Thank you.

Rich Regent, K9GDF
Greenfield, WI

HAMTRIX Sale Corner

We are helping a Milwaukee family to sell radio equipment of a SK operator.

Listed is a variety of items of interest for your operation.

Note: photos are on next page

Vibroplex keyer, s/n 267173, dusty but in VG condition. (Photo #1)

G4ZPY paddle, VG condition, (Photo #2)

K8ra.com single lever P-6 keyer, VG condition, (Photo #3)

Bogall paddle, S/N 473, VG condition, (Photo #4)

CT single lever paddle, S/N 016 (2000), VG condition, (Photo #5)

MFJ 906 6M antenna tuner, new in box (NIB)

Oak Bay LP-50, low pass filter, VG condition

Bencher YA-1, low pass filter, good condition

Yaesu FT-7800R Dual band FM Transciever, complete, NIB

Icom IC-38A 220 MHz FM transceiver, mike and manual in original box, VG condition

Autek Research QF-1A SSB/CW/AM filter, good condition

Heathkit HW-9 CW HF transmitter, with power cord, good condition

Quantics W9GR DSP II filter, good condition

West Mountain RIGblaster pro, very good condition

West Mountain RIGblaster Plus II USB, NIB

Heil Pro-Set Plus headset, good condition, (Photo #6)

For more information on the above items, please call Annie Espinoza at (414) 687-1945. Please leave a message with your name, phone number and which item(s) you would like to inquire about/purchase. She will call you back.

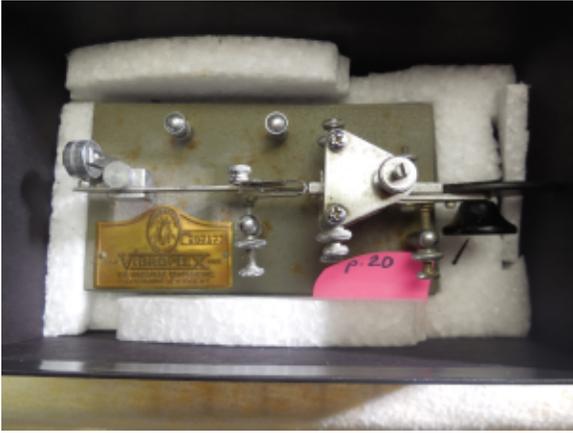


Photo #1



Photo #2

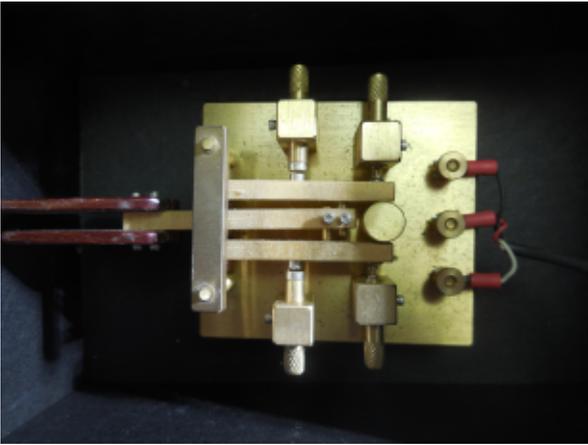


Photo #3



Photo #4



Photo #5



Photo #6

ANNOUNCING THE RETURN OF THE
ANNUAL WARAC DEC 10 METER CONTEST

THE CHASE CHUCK COMPETITION

DEC 12, 0000Z TO 2400Z DEC 13

Everyone is welcome. It's fun an easy.

For years the club has sponsored a friendly competition centered around the ARRL Dec Ten Meter Contest. To spice things up for 2020, all members that enter and BEAT our own Chuck Dellis, W9WLX, will receive an official WARAC Coffee Mug.

How's that for Christmas coming early?

CW Practice

One of the best and maybe the only way to get better at CW is practice. Having someone else who also wants to practice also helps. Just makes it more fun.

The West Allis Radio Club is going to try to help. We are starting small November 11, after the Wednesday night 2 meter net we will go down to 146.55 MHz. Then anyone who wants to do some CW practice will be welcome to let their needs be known and arrange a meeting place on the HF bands. If you have VHF or higher CW you may want to meet there.

This should give you a way to talk about it and/or maybe find a different band if one isn't working.

We will talk more about this at the meeting. Hopefully we can make regaining our CW skill fun! —• —••

WARAC Members:

The club's new fiscal year began November 1st, which means that dues for the 2020 to 2021 year are payable now.

Since we are not holding physical meetings due to the COVID 19 virus, we are asking that you handle your membership in one of the following ways:

Life Members

- Please mail the club (PO Box 511381, New Berlin, WI 53151) a completed application so that we can update our membership records.

Other Members

- The preferred method of payment would be via PayPal using the "Friends and Family" option. By using this option, the club does not incur the usual PayPal transfer fee. Use this address: waracpp@warac.org.
- Mail a check payable to WARAC at PO Box 511381, New Berlin, WI 53151.
- If you prefer, you can mail a cash payment to this address as well. A receipt will be emailed to you at your address of record
- **Whichever option you choose, we would appreciate having a completed application mailed to us so that we can ensure that our membership records are up to date.**

And please, please, please try to take care of your dues payment by the end of December. We will be publishing a new electronic membership directory early next year, and if we haven't received your dues by this date, your name will not be included in the directory.

Thanks in advance for your help! • —• —••



West Allis Radio Amateur Club, Inc. MEMBERSHIP APPLICATION

Name	Call	Handle	
Address			
City	State	Zip	
Phone	Email Address		
Spouse's Name	Wedding Ann.	Birthday	
License Class	Expiration	Licensed Since	
Membership In	<input type="checkbox"/> ARRL	<input type="checkbox"/> Amateur <input type="checkbox"/> Other	
Operational Station	<input type="checkbox"/> Fixed <input type="checkbox"/> Mobile	Bands:	
Would You Be Willing To Serve	<input type="checkbox"/> On A Committee?	<input type="checkbox"/> As An Officer?	
Club Activities You Would Like To Participate In			
<input type="checkbox"/> Field Day	<input type="checkbox"/> Programs	<input type="checkbox"/> Sweepst	<input type="checkbox"/> Hamtrix
<input type="checkbox"/> Elmer	<input type="checkbox"/> Sunshine	<input type="checkbox"/> Education	<input type="checkbox"/> Community Service
<input type="checkbox"/> Public Relations	<input type="checkbox"/> Scholarship	<input type="checkbox"/> QSO Party	
Class Of Membership: <input type="checkbox"/> Full <input type="checkbox"/> Associate <input type="checkbox"/> New <input type="checkbox"/> Renewal			
Dues Paid:	<input type="checkbox"/> Full \$15.00	<input type="checkbox"/> Associate \$10.00	
	<input type="checkbox"/> Family \$18.00	<input type="checkbox"/> Student \$10.00	
	<input type="checkbox"/> Retired \$10.00		

I hereby apply for membership in the West Allis Radio Amateur Club, Inc. in the membership class indicated above. I agree to abide by the Constitution and By-Laws of the club and any rules or conditions that may be set forth in accordance with the Constitution and By-Laws.

Applicant	Date
Secretary	Date
Treasurer	Date
Accepted for Membership	Date

Meetings on the 2nd Tuesday of the month at:
New Berlin Community Center
14750 W Cleveland Avenue

Bring your completed application to a club meeting or mail with dues payment to this address:
West Allis Radio Amateur Club, Inc.
P. O. Box 511381
New Berlin, WI 53151-1381

Of interest**New large nixie tube in development**

Hi!

I am working on an exciting project that will incorporate 121 large nixie tubes - but first I need to develop that large tube. My plan is to make videos from this development and this way keep you updated. Please find links to the videos below.

Thank you for the support,
Dalibor

https://www.daliborfarny.com?mailpoet_router&endpoint=track&action=click&data=WyIxNDUzIiwMTU3MjI2IiwNyIsImUxMDI3YjhhkNGYxOSIsZmFsc2Vd

----Zoom Telephone info----

Dial by your location

+1 646 558 8656 US (New York)

+1 669 900 9128 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 301 715 8592 US (Germantown)

+1 312 626 6799 US (Chicago)

+1 346 248 7799 US (Houston)

Meeting ID: 647 484 5588

Passcode: 434973 • —• —••

Officers and Board

President

Frank Humpal KA9FZR

Vice President

Steve Dryja, NO9B

Secretary

Dave Garnier WB9OWN

Treasurer

Bill Reed N9KPH

Directors

Tom Macon K9BTQ

Phil Tollefson, WA9AQL

Newsletter Editor

Frank Humpal, KA9FZR
fhump@milwpc.com

Webmaster past president

Mike Johnson WO9B

West Allis Radio Amateur Club
P. O. box 511381
New Berlin, WI 53151-1381

**West Allis Radio Club
PO Box 511381
New Berlin, WI 53151-1381**