



Official Publication of the
West Allis Radio Amateur Club

Hamtrix

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Volume 68, Issue 3 March, 2020

MARCH CLUB HAPPENINGS

New Location for Club Meeting

March 10, 2020

New Berlin Community Center 7:00pm

14750 W. Cleveland Ave.

New Berlin, WI

Between Mooreland and Sunny Slope

PRESENTATION

Wisconsin QSO Party Tom Macon K9BTQ

Premeeting dinner

New Berlin Ale House 5:15pm

16000 WCleveland Ave

West of Mooreland Rd.

Wisconsin QSO Party

March 15, 2020 - 1800Z to 0100Z March 16

(1:00PM CDT to 8:00PM CDT on Sunday, March 15)

(NOTE: Daylight Savings Time starts one week earlier in 2020)

Spring cleaning your Ham Shack

Remember May meeting will be our Annual
Pizza / Auction Night Donations are welcome.

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



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.

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From the President's Shack

At least today, March 1, the weather sure makes one think of spring and outdoor activities. I know of a few antenna projects just waiting for warm weather. I even have a few small ones that I can check with the NanoVNA I purchased late last year.

The club is rolling along like a well oiled machine. The next big event is the WI QSO party.

Tom Macon K9BTQ will be giving us the latest info on it at our next meeting. Remember as the sponsoring club we like to have our members support it! This doesn't mean a whole day at it if you have other things to do but even a couple QSO's is enough to enter with a log. Tom will explain this all. I will be part of a Rover team driving around the state picking up and giving out counties. There are many ways to operate this party. I find the party name is important. People

seem to have a little more time to at least say good luck and sometimes even rag chew a few minutes especially if it's a lost buddy you haven't talked to for a while. Try it you may like it HI HI.

Last year we tried a club function of selling brats and hamburgers at Sendik's in Greenfield. This year we plan to do it again. This time at the New Berlin Store. No date yet. We asked for dates around Memorial day but nothing has been approved. Will let you know what we hear.

Remember May will be our annual pizza / auction night. If you're making room during spring cleaning in your shack remember the auction!

Note the swapfest team is already at work on next years event. There is a small reminder of the date and new location in this Hamtrix.

That's all I have and I hope everyone finds ways to enjoy the weather, what ever it is.

73

Frank KA9FZR



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From the Editor

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

WARAC Club Meeting Minutes

February 11, 2019

Meeting called to order 7:00 pm by Frank KA9FZR.

18 club members present. There were 3 visitors, NE9N, KD9OEA & NU9N.

Swapfest 2020 Report by Erwin WI9EV:

136 tables were used. 26 club volunteers participated. NET margin was ~\$3800.

—*Going forward recommendations:*

—Erwin, Refining our online registration.

—Mike WO9B Suggested forming 4 committees, Swapfest Coordinator, Media Guru, Seller Coordinator and Venue & Logistics Coordinator.

Swapfest 2021 Venue by Mike WO9B:

January 9th is our 2021 swapfest date.

Waukesha Expo readjusted their schedule for us (!) but the die was cast for EAA Chapter 838 Hangar Racine Wisconsin. Frank KA9FZR signed EAA contract.

EAA table layout is 118 tables at this point.

Ticket sales will be in the vestibule entrance, this will be a problem.

The EAA class room and the lounge is open to us, 2021 plan usage is TBD.

Parking won't be a problem, we can park on the runway! This will require people outside directing parking. (Approximately 400 Expo parking spots were used in the past.)

Club Presentation: nanoVNA by Steve NO9B.

“Difficulties in measuring the open wire impedance of paralleled RG-6 coaxes.”

<http://nanovna.com/> <https://groups.io/g/nanovna-users/>

Wisconsin QSO Party March 15th by Tom K9BTQ.

March 15th, Sunday, 1-8pm local time. (Note, DST starts March 8th.)

Get your enthusiasm and rigs ready! FT8 Q's not valid.

Planned county activations & rover routes were discussed by Mike WO9B and Phil W9NAW. Marquette county activation by WB9OWN & KD9HPS is TBD.

Final details - March 10th club meeting, WI QSO plans, operations and rules.

Join WI-QSO listserve: http://mail.warac.org/mailman/listinfo/wiqp-mail_warac.org

Meeting Wrap up:

Winter Field Day was positive experience, plan to operate on next year!

Vermont QSO party will permit FT8 operation! A trend for other QSO parties?

Meeting was adjourned at 8:40pm.

Coffee, donuts and conversation followed.

Respectfully submitted,

David Garnier

WB9OWN • —• —••

See David Garnier, WB9OWN, to pick up name badges:

WD9EFN	John Tankersley
KD9MFS	Marc Schneider
W9JSP	Jeff Pahl
KD9MUU	Bill Guynn
AA9RK	Michael Falk
KD9NZB	Max Falk
KC9PQD	Ron Clayton
KA9SY	Bob Schwigel
KD9LCT	Ken Kegley
KD9IGO	Fred LeMere
KC9JET	Paul Hass
KC9REN	Dean Berglund
KF9K	Jim Nickel
W9DC	Conrad Herold
KD9NHK	Tom Massopust
KC9SBN	Darlene Berglund

Free!
One Admission Ticket
with 2 Tables! (3 max)

RACINE
~~Waukesha~~, Wisconsin
48th ANNUAL MIDWINTER

SWAPFEST

Ham Radio, Computer, Electronics

SATURDAY - JANUARY 9, 2021

8:00 AM - 1:00 PM

(Seller setup Noon to 16:00 Friday & 06:00 to 08:00 Saturday)



Over 60 Years

It's Here!!
On-line ticket purchase
using PayPal.

MSRP \$200 Merchandise Grand Prize - Drawing at 11:30 AM (must be present to win)
Raffle - \$1/ticket, 6 tickets for \$5

Adult Admission: \$6.00 Advance -\$7.00 at Door
Youth up to 12 Yrs of age: Free at Door only
Boy Scouts & Girl Scouts in uniform - Free at Door only
★ All door sales cash ★



The concession stand will be open to satisfy your gastronomical cravings.
Amateur Radio License exams will not be held at the Swapfest this year. See <https://www.mracvec.org/> for dates & location.

The WEST ALLIS RADIO AMATEUR CLUB

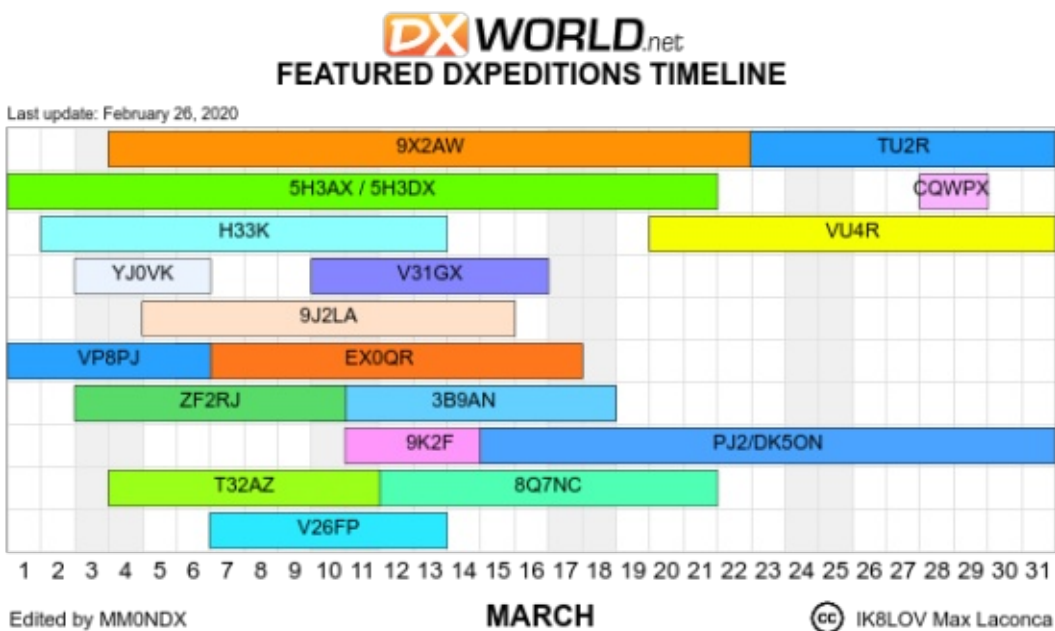
Sponsors of: Midwinter Swapfest · WI QSO Party · WARAC Scholarships · Worked All WI Counties Award

Initial Mark up of next years Swapfest. Note Date and Location change. More info as it becomes available · — · —·

DX / CONTEST UPDATE

http://www.hamradiotimeline.com/timeline/dxw_timeline_1_1.php

DX: End of February, beginning of March = VP8PJ. They are everywhere and they are within striking distance. This is an all mode jewel to pick up. Go get ‘em. Couple other gettable’s: YN3GEA in Nicaragua. TO0A in St Martin (not rare, but fun). TM8C on Cordouan Island for your IOTA pleasure. V31GX in Belize. The big news is the cancellation of trips due to the “pandemic”. Could be a feature this year if transportation gets snarled up for the rest of the year. Of course the best way to work DX is via schedule. I have a ham friend in Dubai at the moment so maybe, just maybe we get a QSO arranged.



CONTESTS: What else is there to say but...

WI QSO PARTY, MARCH 15th from 1:00 PM to 8:00 PM CDT

Everything else is just a side show. Get on. Get comfortable for the afternoon. Work some stations!!!! They want to work you!!

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Membership renewal

“Just a friendly reminder that club dues are payable as of November 1st. We’d also appreciate it if each of you would fill out a new application so that we have up to date information to keep the club directory current. Ideally, these along with dues can be turned in at the upcoming meeting. Dues can be paid three ways – cash, check, or via PayPal using the “friends and family” option. The club email address to use is waracpp@warac.org. You can also mail dues and/or the application to the clubs new address: P.O. Box 511381, New Berlin, WI 53151.” **Form on page 7**

Wisconsin QSO Party - 2020

By Tom Macon, K9BTQ

Our club is the sponsor of WIQP and proud of it! As it says on our WIQP website, WARAC has sponsored this annual event since 1979, which makes the 2020 WIQP our 42nd!

This on-the-air operating event is popular with stations in Wisconsin, across the country and the world. I encourage all WARAC club members to participate and proudly mention they are members of WARAC.

A unique thing about WIQP is that there's something for everyone, from big-gun contesters to casual little pistols. Remember that the overall goal is for everyone to have fun.

We talk a lot about CW, mobiles and activating counties because a lot of entrants are attracted to our Party by this competition, but it's not for everybody. There are lots of other ways to participate – phone, casual QSOing and VHF operation, too.

So we want everyone! The more stations participating, the more QSO's will be made, and that makes it more fun. Be sure to read the [Rules](#), get on the air and join the party on Sunday, March 15 - 1:00 PM to 8:00PM. (Note that this year's WIQP is not on the first day of Daylight Savings Time – that happens the week before).

At the upcoming meeting we'll talk about the in's and out's of the QSO Party, with emphasis on strategy. We'll also talk about logging software, especially version 4.3 of the N3FJP logger. Go to the WIQP web page and look under Logging Software for details on using N3FJP's WIQP logger. By the way, if you're running a version 2.0 or earlier, please upgrade.

Any and all questions about any aspect of WIQP are fair game. If you have something you're wondering about, please bring it up! Meanwhile, please visit the WIQP website at

<http://www.warac.org/wqp/wqp.htm>.

A really important aspect of WIQP is getting as many counties on the air as possible. Our party is an opportunity to work some of the "rare" Wisconsin Counties, but they can't be worked if they are not on the air. We need to get activity in all Wisconsin counties. Please talk it up when you're on the air!

To find information about which counties are less likely to be on the air, visit Activate All 72 Counties (<http://www.warac.org/wqp/activate.htm>) on the WIQP website. There is a table there for each year since 2013 (seven years) plus a table that is a composite of all seven years. You can also download the data in spreadsheet format if you wish.

So please make plans to be on the air – Sunday, March 15! Just seven hours of fun!

And, when it's over, don't think you didn't do well enough to submit your log. Every year we receive logs with just two or three QSO's. Last year we received a log with zero QSO's – his way of saying he wished he could have participated.

Again, if you need help, bring your questions to the meeting or contact one of our WIQP team members: Chuck, W9WLX; Howard, WA9AXQ or Mike, WO9B or myself. • — • — ••





RENEWAL OF MEMBERSHIP

ALL MEMBERS WHO JOIN ED BEFORE October 1 ST
MUST RENEW THEIR MEMBERSHIP BY September 30 TH
*****FILL IN ALL INFORMATION PLEASE*****

NAME: _____ CALL SIGN: _____
(As you want it to appear on the roster)

ADDRESS: _____ LIC CLASS: _____

CITY: _____ LIC EXP: _____

STATE: _____ OCCUPATION: _____

ZIP CODE: _____ E-MAIL ADDRESS: _____

HOME PHONE: _____ WORK PHONE _____

CHECK HERE: IF YOU WANT THE CLUB NEWSLETTER EMAILED TO YOU?

CHECK HERE: If you are an ARRL member?

Would You Be Willing To Serve On A Committee? _____ Officer? _____

Club Activities You Would Like To Participate In?

Field Day _____ Programs _____ Swapfest _____ Hamtix _____ Elmer Sunshine _____
Education Community Service _____ Public Relations _____ Scholarship _____
QSO Party _____

Class Of Membership: Full Associate New Renewal

Dues Paid: Full \$15.00 _____ Associate \$10.00 _____ Family \$18.00 _____ Student
\$10.00 _____ Retired \$10.00 _____

*******FAMILY MEMBERSHIP*******

A family member ship includes the individual applying and all members of such person's immediate family residing in the same household who possess an Amateur Radio license.

NAME: _____ CALL SIGN: _____

LIC CLASS: _____ LIC EXP: _____

Date of Application _____ Amount Enclosed \$ _____

FOR WARAC OFFICE USE ONLY
Treasurer Received/ Date: _____
Sec. Add Roster/Date: _____

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

Thoughts on the Phillips Code

found at <http://www.signalharbor.com/73.html>

Many amateurs already know that "73" is from what is known as the "Phillips Code", a series of numeric messages conceived for the purpose of cutting down transmission time on the old land telegraph systems when sending text that is basically the same.

In the April 1935 issue of QST on page 60 there is a short article on the origin of 73. This article was a summation of another article that appeared in the "December Bulletin from the Navy Department Office of the Chief of Naval Operations". That would be December of 1934.

The quotation from the Navy is as follows: "It appears from a research of telegraph histories that in 1859 the telegraph people held a convention, and one of its features was a discussion as to the saving of 'line time'. A committee was appointed to devise a code to reduce standard expressions to symbols or figures. This committee worked out a figure code, from figure 1 to 92. Most of these figure symbols became obsolescent, but a few remain to this date, such as 4, which means "Where shall I go ahead?". Figure 9 means 'wire', the wire chief being on the wire and that everyone should close their keys. Symbol 13 means 'I don't understand'; 22 is 'love and a kiss'; 30 means 'good night' or 'the end'. The symbol most often used now is 73, which means 'my compliments' and 92 is for the word 'deliver.' The other figures in between the forgoing have fallen into almost complete disuse."

One of the chief telegraphers of the Navy Department of Communications, a J. L. Bishop, quoted from memory the signals that were in effect in 1905:

- 1 Wait a minute
- 4 Where shall I start in message?
- 5 Have you anything for me?
- 9 Attention or clear the wire
- 13 I do not understand
- 22 Love and kisses

- 25 Busy on another circuit
- 30 Finished, the end-used mainly by press telegraphers

73 My compliments, or Best Regards

92 Deliver

Now days, 22 has become 88 (love and kisses). I don't know when this came about. 30 is still used in the newspaper and magazine business to indicate the end of a feature, story, or column. And, of course, 73 is still used by amateur radio operators to mean "best regards".

Making any of these numbers plural (73s, 88s, etc.) is incorrect since they are already plural. 73s would mean best regardses and 88s would mean love and kisseses. Those make no sense.

Anyway, the subject of where 73 came from comes up periodically and this article reinforces the "Phillips Code" origin.

Jim, N2EY, adds:

Some other related stuff:

Phillips Code "19" and "31" refer to train orders. They were so well known that the terms "19 order" and "31 order" were still in RR use in the 1970s, long after the telegraph was gone.

The abbreviation "es" for "and" derives from the Morse character "&". The prosign "SK" with the letters run together derives from the Morse "30".

The numeric code is a small part of the abbreviations outlined in the Phillips Code (developed by telegrapher Walter P. Phillips). Here are the numbers as referenced:

- 1 Wait a moment
- 2 Important Business
- 3 What time is it?
- 4 Where shall I go ahead?
- 5 Have you business for me?
- 6 I am ready
- 7 Are you ready?
- 8 Close your key; circuit is busy

9 Close your key for priorit business (Wire chief, dispatcher, etc)
 10 Keep this circuit closed
 12 Do you understand?
 13 I understand
 14 What is the weather?
 15 For you and other to copy
 17 Lightning here
 18 What is the trouble?
 19 Form 19 train order
 21 Stop for a meal
 22 Wire test
 23 All copy
 24 Repeat this back
 25 Busy on another wire
 26 Put on ground wire
 27 Priority, very important
 28 Do you get my writing?
 29 Private, deliver in sealed envelope
 30 No more (end)
 31 Form 31 train order
 32 I understand that I am to ...
 33 Car report (Also, answer is paid for)
 34 Message for all officers
 35 You may use my signal to answer this
 37 Diversion (Also, inform all interested)
 39 Important, with priority on thru wire (Also, sleep-car report)
 44 Answer promptly by wire
 73 Best regards
 88 Love and kisses
 91 Superintendent's signal
 92 Deliver promptly
 93 Vice President and General Manager's signals
 95 President's signal
 134 Who is at the key?

Example abbreviations of the Phillips Code

Code	Expansion
Hag	Haggle
Haz	Hazard
Igo	In consequence of
Kf	Confer
Kft	Conflict
Kpt	Compete
Oac	On account of

Ot	Owing to
Pcu	Preclude
Pkg	Packing
Pkj	Package
Pmnt	Prominent
Px	Price
Pxl	Political
Rept	Repeat
Rlav	Relative
Rpv	Representative
Sac	Senate Committee
Scf	Sacrifice
Sovy	Sovereignty
Spn	Suspicion
Thu	The house
Wam	Ways and means
----	Paragraph mark
Co	County
Dr	Doctor
Dx	Dash
Ea	Each
Ed	Editor
Eu	Europe
Fm	From
Gb	Great Britain
Gj	Grand Jury
Hc	Habeas corpus
Hf	Half
Hi	High
Kg	King
Ld	London
Lp	Liverpool
Lx	Pounds sterling
Mm	Mid-meridian (midnight)
Mo	Month
Mr	Mister
Oc	O'clock
Qm	Quartermaster
Ry	Railway
Sa	Senate
Ss	Steamship
Td	Treasury Department
Xm	Extreme
Za	Sea
Xg	Legislate
Xb	Exorbitant
ITC	In this connection

IQO In consequence of
IAB Introduced a bill
IAR Introduced a resolution
HVNB Have not been
Hur House of Representatives
GX Great excitement
GOH Guest of honor
IWR It was reported
IXJ It is alleged
KAH Knots an hour
CIC Commander In Chief
UMPS Umpires . _ . _ ..





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