



The *ORC* Newsletter

Official publication of the Ozaukee Radio Club, Inc. Mail all contributions to the editor, Tom Ruhlmann, W9IPR, 465 Beechwood Dr., Cedarburg WI 53012 (phone 262 377-6945). Permission to reprint articles published in any issue is granted provided the author and the Ozaukee Radio Club Newsletter are credited.



ORC Repeaters on 146.97, 224.18 and 443.750 MHz - Callsign W9CQO
Web site: www.ozaukeeradioclub.org Facebook: facebook.com/orcwi

Volume XXXIII

July, 2015

Number 7

From the President

de Chuck Curran, W9KR



We have completed the 2015 Field Day adventure, with really wonderful participation from many club members. Having a few more members participate in the set-up and tear down sure makes the process go faster and smoother.

This year we started the new trailer loading on Thursday June 25th. Making use of the new main tent coffin, built by Nate Seidler, KC9TSO. It worked out extremely well and allowed for some two level packing that gave us the room to get almost everything loaded into the one club trailer. Now with the Field Day site just 3-4 miles from the storage shed, the trip is quite easy! The main tent was up by about 6:00 PM and all the coolers unloaded and inside the tent. At that point it was unsure if we would have

enough tables and chairs for the Friday night Turkey Dinner cooked by Stand and Nancy, but it all worked out fine.

The Ozaukee Radio Club ran a 4A classification using the call sign W9GA, Thank You Ken Boston for letting the club use your call. We will hear the calculated score in another day or two, very interested to see how it ended up.

Last month I mentioned the tower donated to the club by Jane Rediske. Dave Carpenter, KC9REP and his sons have decided to take it down. Dave has a strong background with towers and antennas, since that is one of the skills required in his business. He got down the beam and rotor, and sometime after the July 4th weekend the tower will be coming down. He will need some help, so please consider offering Dave and his sons a hand when the call comes through. Both of Dave's sons are also licensed Amateur Radio operators!

I have another project going, and yes, it does make use of vacuum tubes, just like most of my gear. I acquired a HP 410B Vacuum Tube RF Voltmeter and I am in the process of restoring it. I got it on eBay for about 50% of their typical price and it is now in the process of being refinished. HP used wrinkle finish paint and I have used a two step process to restore the cabinet. It has worked out very well. It is all ready to be re-assembled and then calibrated, but so far all looks good!

73's, Chuck W9KR

DX'ing & Contesting

De Gary Sutcliffe (W9XT)



July is a pretty slow month in radio. People have outdoor activities and radio propagation on the high bands tends to be down while static noise is high on the low bands. I tend to be pretty non-radio active in July. I still have not put the station back together after Field Day!

The one big contest this month is the IARU contest. It starts at 7:00AM local on Saturday July 11 and runs for 24 hours. Unfortunately this is the same weekend as the South Milwaukee hamfest, one of my favorites.

You work everyone in this which makes it fun. The exchange is a signal report and your ITU zone. This is not the same as our CQ zone which is 4. Our ITU zone is 8.

There are special IARU headquarter stations on. They will send a signal reports and the abbreviation for their member society (ARRL, RSGB, etc.).

You can work phone only, CW only or mixed mode. There are high, low and QRP power categories within each mode classification. You can work the same station again on different bands or different modes on the same band.

Contacts with stations in the same zone are worth 1 point. Contacts in different zones but the same continent are worth 3 points, and contacts in different continents are worth 5 points. Multipliers are the zones worked on each band, plus HQ stations worked.

You may recall that last year the World Radio Team Championship was held during this contest. Two operator teams from all over the world came to New England to compete. They operated from tents out in the country from low noise locations. Each station had identical antennas. The idea is that the winner would be determined by skill and no team would have an advantage because of better equipment or location.

They all were assigned 1X1 calls at the last moment so no one outside would know who was who and skew the results by working only their friends. If you got on for this last year you should have received stacks of QSL cards a month or so ago. I have about 50 of them on the operator table.

Full rules for the IARU contest are found at <http://www.arrl.org/iaru-hf-championship>.

The other interesting contest is the RTTY weekend of the North American QSO Party on July 18. It starts at 1800UTC (1:00 local) and runs for 12 hour but you can only operate 10 hours. The exchange is your name and state.

One thing I like about the NAQPs is that they are short, and you can't run more than 100 watts. Being a domestic contest small antennas can be effective. They are great contests for smaller

stations. The CW and phone weekends are next month. They run the series again in the winter. I have operated at least a few hours in all the NAQPs the last couple of years.

DXpeditions are light in July as usual. There are a number of vacation style operations planned to not terribly rare locations. There are a couple that stick out though.

A group of Finnish hams are going to visit a couple of islands. The first is a group of American hams going to the Faroe Islands as OY/home call from July 8-15.

The other one is to Market Reef as OJ0S July 11-18 by a group of Finnish hams. These are not real rare but you don't hear them on every day either. They might be a good opportunity to pick up a couple of new band countries.

That wraps up DXing and Contesting for July.

Editors note:

I would like to start a table of member stations and the number of country contacts they have on each band. Interested? Is so send me your unconfirmed and confirmed totals on each band. It could give us all some targets. Should be some competitive fun.

The Computer Corner

No. 209. FIELD DAY IS OVER!

By Stan Kaplan, WB9RQR
715 N Dries Street, Saukville 53080 (262) 268-1949
wb9rqr@att.net



Yes, it has come and gone. This is being written on 2Jul, just a couple of days after the end, and insofar as I am aware the network worked fine, with one glitch. Our switch (similar to a router; it routes the data coming in from all the station cables into the main computer) uses 110 VAC. I had it on an uninterruptible power supply (UPS) so that it would continue with good power during the few minutes when the generator was being refilled with gas. Well, the UPS internal battery went bad! No sweat. I had a spare. After plugging in the spare, its internal battery died too! So, we pulled the UPS out of the system and went straight with generator power. It worked fine. The switch was powered down only for a total of about 4 seconds,

while changing and removing the UPSs. We lost no data that we know of, and we can check that by comparing the data on each of the station computers with the master data on the main computer. So all is good. Do I know how we did? Not yet. Our data cruncher Zach Yatso (KC9ZNR) will report on that later.

Many of you know that I farm the ORC laptop computers out to members after Field Day is over. That is, computers should not lie on a shelf unused for the 10 months when they are not being prepared for Field Day or actually used for it. Therefore, I loan them to members who can use them. There are several "rules of use" that go with the loan. They must be plugged in at all times (unless you are using them temporarily on your patio or other site where no AC power is available). This is so the power supply can keep the battery charged (laptop batteries can easily be ruined by letting them run down). They must have access to the Internet, via cable or wirelessly, at least once a week for several hours so they can update. They must be returned promptly when called for, usually late April or early May. This is to give us time to digitally clean them up and fit them with any new software. So, if you can use a free laptop for ten months, make it to the next (July) meeting. They will be released to those who want one on a first come/first served basis. They are very nice little machines, with lots of memory, and they use a version of XP that is valid to 2019, so they will update automatically. They also have a current virus scanner and other useful utility programs installed.

When you return the laptop next spring, you will return it to Zach rather than to me. Zach has agreed to be our new Network Guru for Field Day. I introduced computer logging some years ago, followed by logging via a network, and now it is time for someone else to take over. It will be nice to see what Zach's expertise brings to the activity in future years. Thanks, Zach, for volunteering!

Hope you have/had a great 4th of July. Happy Computing!

ORC Field Day 2015 Results - As It Is

De Zach Yatso, KC9ZNR

1. Field Day Call Used: W9GA GOTA Station Call: AA9W
2. Club or Group Name: Ozaukee Radio Club
3. Number of Participants: 43
4. Number of transmitters in simultaneous operation: 4
5. Entry Class: Check only one.
 - X A. Club or non-club portable
 - B. 1 or 2 person non-club group portable
List calls of operators:
 - C. Mobile
 - D. Home station commercial power
 - E. Home station emergency power
 - F. Emergency Operations Center
6. Check All power sources used.
 - X Generator
Commercial mains
 - X Battery
 - X Solar
Other (list)
7. ARRL / RAC Section: WI
8. Total CW QSOs: 1422 X 2 = Total CW QSO points: 2844
9. Total Digital QSOs: 12 X 2 = Total Digital QSO points: 24
10. Total Phone QSOs: 1533 X 1 = Total Phone QSO points: 1533
11. Total QSO points: 4401
12. Power Multiplier (select only one)
 - 5 Watts or less and Battery powered = 5
 - X 150 Watts or less = 2
 - Over 150 Watts = 1
13. Power Multiplier: 2
14. Claimed Score: 8802
15. Bonus points claimed: Please check each block as appropriate and

include required proof of points with your submission. All bonus points will be verified at ARRL HQ and added to your score.

- X 100% Emergency power
- Media Publicity
- X Set-up in Public Place
- X Information Booth
- NTS message to ARRL SM/SEC
- X W1AW Field Day Message
- Formal NTS messages handled (# 0)
- X Satellite QSO completed
- X Natural Power QSOs Completed
- X Site Visited by invited elected official
- X Site Visited by invited served agency official
- X Educational Activity Bonus
- X Youth Element achieved (# 3)
- GOTA Bonus (total bonus points: 0)
- X Submitted using the b4h.net applet

Total Bonus Points Claimed: 1350

16. I/We have observed all competition rules as well as all regulations for amateur radio in my/our country. My/our report is correct and true to the best of my/our knowledge. I/We agree to be bound by the decisions of the ARRL Awards Committee.

Date: 07-04-2015

Call: W9GA

Signature: Zachary Yatso

Address: 1016 Lakefield Rd Apt 5
Address: Grafton, WI 53024

E-Mail Address: kc9znr@arrl.net

Operating Period: 2015/06/27 W9GA - 2015-06-28 13:03

Total Contacts by Band and Mode:

Band	CW	Power	Dig	Power	Phone	Power	Total	%
----	--	-----	-----	-----	-----	-----	-----	----
80	186	150	0	150	0	150	186	6
40	697	150	0	150	703	150	1,400	47
20	205	150	0	150	362	150	567	19
15	191	150	6	150	87	150	284	10
10	130	150	0	150	175	150	305	10
6	13	150	0	150	195	150	208	7

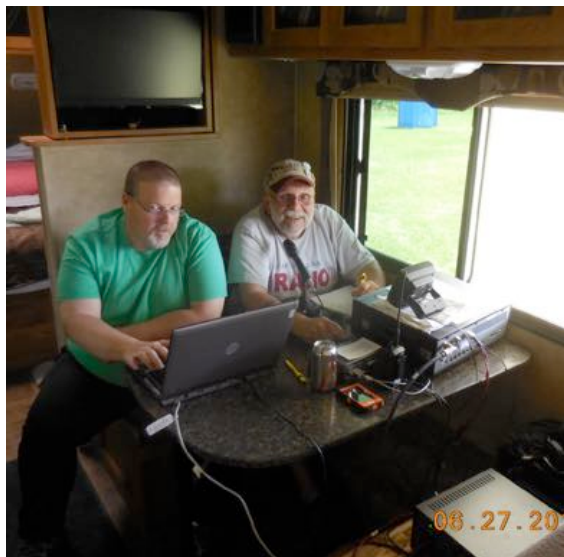
2	0	150	0	150	3	150	3	0
GOTA	0	150	6	150	8	150	14	0
	--	-----	-----	-----	-----	-----	-----	---
Total	1,422		12		1,533		2,967	100

18. List all callsigns of all operators and number of QSO's completed of the GOTA Station:

AA9W, KC9ZNR

Submission file created by N3FJP's ARRL Field Day Contest Log
Version 4.7
www.n3fjp.com

ORC Field Day 2015 in Photo's





Junk Box Product

De Tom Ruhlmann, W9IPR



Recall that suggestion from Gary (W9XT) about using an external speaker with the earphones to accommodate the need for the operator to hear clearly while letting observers hear as well?

I took the suggestion and found a pair of amplified speakers in my "reserve" stock that I had I bought at our auction for fifty cents. If you visited the 40 meter phone station at field day you saw the result. I really liked the result in that I could hear the stations more clearly through my head set while the logger could hear through the amplified external speakers.

I wired them such that that they work on monaural or in stereo if desired when working "split". Thanks for the suggestion Gary. Now I am working on another set for use in FL at our special event station so visitors can hear what's going on.

Upcoming Events

The South Milwaukee radio club is hosting its outdoor swapfest on July 11th at the Oak Creek American Legion Post on Sheppard road.



Ozaukee Radio Club Meeting Minutes

June 10, 2015

Zach Yatso (KC9ZNR), Secretary



Kevin Steers (K9VIN), 1st Vice President, called the meeting to order at 1931 (Chuck was on vacation). Introductions followed.

Announcements:

Many new members have joined ORC in the past year! We've got a wonderful and growing organization, warm welcome to all the new members.

There's a 54 foot tower available for free, if you're willing and able to take it down. Talk to Kevin K9VIN for details.

Ray B. W9BUJ described troubleshooting a new Yaesu FT DX 3000 – it turns out that some Astron power supplies can

cause issues with these radios, so be aware.

Program:

This month's program was focused on the upcoming Field Day. We will be operating from Hawthorne Hills County Park this year as W9GA. Volunteers are meeting Thursday June 25 to move equipment and begin preparations. Friday night is the traditional turkey dinner, and people are en-

couraged to bring a dish to pass. We'll have to provide tables and chairs ourselves, so if you're planning to participate please bring any extra tables and chairs you can spare.

Note: If anybody has ideas for future programs, please contact Stan K., WB9RQR.

50/50 Drawing:

There was no 50/50 drawing held this meeting.

Auction:

Stan Kaplan, WB9RQR, conducted the auction and numerous items were sold.

Officer Reports:

Chuck Curran (W9KR), President – No report.

Kevin Steers (K9VIN), 1st VP – No report.

John Strachota (W9FAD), 2nd VP – No report.

Tom Trethewey (KC9ONY), Repeater VP – All repeaters are working, though the 440 is still having some issues.

Zach Yatso (KC9ZNR), Secretary – Provided Board Actions Report for May 13 to June 10, 2015. Motion to accept May minutes was made by Zach, seconded by Ken W9GA, and carried without debate.

Dave Barrow (N9UNR), Treasurer – motion to accept Treasurer's report was made by Dave, seconded by Nancy KC9FZK, and carried without debate.

Committee Reports:

N/A.

Old Business:

N/A.

New Business:

Dave N9UNR moved to accept the 2015-2016 Budget. The motion was seconded by Tom W9IPR, and passed unanimously.

Nate KC9TSO moved to spend up to \$370 for materials to update the trailer. The motion was seconded by Stan WB9RQR, and passed unanimously.

Adjournment:

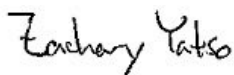
Dave made the motion to adjourn at 2117. The motion was seconded by Stan and the motion carried.

Attendance:

There were 40 members present and 2 guests.

A copy of the attendance sheet is available upon request in PDF format. Please contact Zach Yatso via email at: kc9znr@arrl.net for a copy.

Respectfully submitted,



Zachary Yatso, KC9ZNR
Secretary

AGENDA

July 8, 2015

1. 7:00 – 7:30 PM – Network & Rag Chew
2. Call to order: Introductions. Chuck Curran, W9KR
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
4. Program:
5. 50/50 – Kristian Moberg, KC9TFP
6. Fellowship Break
7. Auction – Stan Kaplan (WB9RQR)
8. Presidents Report – Chuck Curran, W9KR

9. 1st VP Report – Kevin Steers, K9VIN
 10. 2nd VP Report – John Strachota, W9FAD
 11. Repeater VP report – Tom Trethewey, KC9ONY
 12. Acceptance of Minutes : Zach Yatso, KC9ZNR
 13. Treasurer's report – Dave Barrow, N9UNR
 14. Committee reports.
- Other:
15. OLD BUSINESS
 16. NEW BUSINESS
 17. Adjournment to ?

Return undeliverable copies to

The ORC Newsletter

465 Beechwood Drive
Cedarburg WI* 53012

First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton
Wednesday, July 8th

7:00 PM – doors open

7:30 – Membership Meeting