



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 XXIX

January, 2016

Number 1

From the President - Field Day Site Update

de Chuck Curran, W9KR



I attended the Town of Cedarburg Recreation and Parks Committee meeting on December 30, 2015 at 5:00 PM. On their agenda was the discussion for allowing the ORC and other groups to use the Pleasant Valley Park site for overnight use.

Prior to my attending this meeting, several other club members, Town of Cedarburg residents, had made some major contributions. Both Tom Ruhlmann and Jim Albrinck had called and spoken with committee members, offering some explanations on Field Day and our needs.

The Town of Cedarburg has to be careful on who is allowed to use their parks overnight. I have to say that Tom Ruhlmann, in his discussion with one of their representatives offered a very important point for their review. Tom's critical point was that they may want to consider only allowing groups with Liability Insurance to use the park. I would expect that from the viewpoint of the committee, this reduces their risk factor by about 97%. I perceived it was very attractive to them.

Very few groups have Liability Insurance, as we do. This point seemed to catch the attention of most committee members, and it led to a discussion on how big should the Liability policy be? The end result was a recommendation for a \$500,000.00 policy. We are OK with that as a club, since we do have a \$1,000,000.00 Liability Policy.

100% of the committee members voted in a positive manner to recommend our request to the Town of Cedarburg Board meeting. The next step is the January 6, 2016 Town of Cedarburg Board Meeting. That is where the real and final, decision will be made. I plan on attending and I hope many of you will consider attending to see how this moves forward!

A big Thank You to both Tom Ruhlmann and Jim Albrinck for their efforts on helping to get this done!

73's
Chuck W9KR

DX'ing & Contesting

De Gary Sutcliffe (W9XT)



It is now 2016 and it is sort of traditional to make resolutions for the New Year. Do you have one for ham radio? How about getting on the air a bit more? How many contacts did you make in 2015? Check your log book.

I did. I made a bit over 4800 contacts in 2015. Of course a lot of those were contest QSOs and took only a few seconds to make. Did you have 100 contacts last year? Don't count repeater contacts. 100 contacts in a year is less than one every 3 days. Can you shoot for 100 contacts in 2016? How about 50? That is less than one a week.

This column often covers some of the different ways we use to get our signals to other areas to make contacts. Most of our contacts use the different layers of the ionosphere to make contacts beyond the line of sight. Those don't work at VHF and above and we use more esoteric methods like auroras, meteor trails and even bouncing off the moon.

W9GA and I have discussed the possibility of bouncing off the International Space Station. Well, it now has been done. Bouncing off an orbiting satellite is challenging. It is a small target, meaning that little signal is returned to earth. It is also moving very fast which creates a big Doppler shift in frequency. Since the ISS contact they have also communicated off an unmanned space craft. Details can be found at <http://www.dj5ar.de/>

Back in the early 1960s there was a NASA experiment to deploy orbiting reflectors to reflect signals back to earth. It was the Echo I and Echo II satellites. These were balloons with a thin metal coating. I remember going outside with my dad to watch them pass over as a little kid. I was amazed at the time to find that they didn't have a tank of gas to inflate them. They just folded it up and the residual air inside was enough to do the job. With such a large surface area, low mass and low orbit they didn't last long before re-entry.

Last month I hinted of a big DXpedition in January. Actually there are two or three depending on how you count.

The first one is to Palmyra Atoll. This is about 1000 miles southwest of Hawaii. Palmyra was privately owned. In 2000 the Nature Conservancy bought it and partners with the US Fish & Wildlife Service to administer it. Because of this Palmyra is fairly rare. The FWS has not been open to allowing hams to visit the island wildlife sanctuaries it administers. Fortunately they have been easing up a bit but even so, visits to an individual island may be 10 years or so apart.

The group of nine US hams will be there January 12-25 with 5 stations operating CW, SSB and digital modes on 160-10M. They will always be operating split, so don't call them on their frequency. The call will be K5P and more information can be found at their web site. <http://palmyra2016.org/>

The other major effort is being put on by a large international group who will be hitting two rare Antarctic islands. Their first stop will be to South Sandwich Islands using the call VP8STI. This is the #3 most wanted DXCC entity. I only have it on 10 meters, and that QSO was in 1990.

They expect to start on about January 17 and operate for 8 days. Then they will move on to South Georgia switching to VP8SGI for another 8 days. The target date for starting there is February 1. This is going to be one well equipped operation. You can see the equipment list, station organization as well as a lot of other information at their web site. <http://www.intrepid-dx.com/vp8/>

Expeditions to places like this require a huge commitment in time and resources. These island groups are south of South America. The budget is \$425,000 and the operators will be gone for 37 days. They have to charter a boat large enough to handle the extreme sea conditions which includes bad storms and ice bergs. Captain James Cook discovered the South Sandwich Islands and described them as "The most horrible place in the world". Formed by volcanic activity they have steep coast lines and ice. Personally I can think of other places I would rather visit.

There are a number of other smaller DXpeditions in January, but nothing compares to the ones listed above.

There are a number of contests in January. The first one is the ARRL RTTY Round Up that starts at 1800 UTC (noon local) on Saturday January 2 and ends on 2400UTC on Sunday January 3. You can only operate 24 hours, and off times can only be taken in one or two blocks. Send a signal report and state. DX stations send a signal report and serial number. <http://www.arrl.org/rtty-roundup>

The January runnings of the North American QSO Parties are this month. CW is January 9, and the phone version is January 16. Both start at noon local and run to midnight but you can only operate 10 hours. Send your name and state. The power limit is 100 watts for this, so they are not dominated by the big gun stations. <http://www.ncjweb.com/NAQP-Rules.pdf>

The CQ 160 Meter Contest (CW) starts Friday January 29 at 2200 UTC (4:00 PM local) and runs until 2200 UTC on Sunday the 31st. You send a signal report and state. DX stations send a signal report and CQ zone. QSOs are worth various numbers of points depending on where the other station is. States/VE provinces and DX countries are multipliers. Note that they changed the deadline for logs to 5 days. More information can be found at www.cq160.com

Finally there is the ARRL January VHF Contest. It starts on Saturday at 1900UTC (1:00 PM local) and ends on February 1 at 0359 UTC (9:59PM Sunday night). You exchange grid squares. This is probably the least popular of the ARRL VHF contests. It does not have the likelihood of Es like in June, or tropo in September. Also rover activity is dependent on the weather. <http://www.arrl.org/january-vhf>

It's January, which in Wisconsin means it is cold. What better month to spend some time on the air?

The Computer Corner

No. 215: Is Windows 10 Spyware?

By Stan Kaplan, WB9RQR

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Yep, it most certainly is! Why?

Windows 10 collects and sends back to Microsoft a lot of stuff, and it does it without your permission. According to Timothy Weaver of Major-geeks.com, your nickname as well as your full name, the names of people in your appointments list and information about them, and your recent calendar events are all sent to Microsoft without asking permission of you, the owner of the machine. Moreover, just about everything you record through Cortana will be sent back to Microsoft, and this is a default setting when

you install Win10. By every definition of the word, that is spyware. But there is more.

It uses your personal bandwidth to update the PCs of other persons (being fair, it also uses their bandwidth to update your machine), but it does not tell you about this or make it easy to turn it off. You can attempt to slow down the pouring out of personal data from your machine by simply disabling data sharing, Bing searches and Cortana, but that will not fix the problem. Windows 10 will still send information back to Microsoft. While it won't actually share your networks by default, it will share your wireless password with your friends, by default. It will scan your machine for counterfeit games or unauthorized peripheral hardware devices. Big brother is really watching you closely! We have entered a new era in the raiding of personal data by Microsoft.

So, what can you do? There are a number of small, free programs out there that will stem the flow of your information. The easiest way to look at them is to go to majorgeeks.com, System Tools, Window10 Fixes, and you will find a list of free programs that will turn off the flow. Click any one of them for a description. You will also be presented with a video authored by majorgeeks called WHICH WINDOWS 10 PRIVACY TOOL IS RIGHT FOR ME? Watch this 5-minute video to see a summary of a few of the programs.

The program I personally prefer (because it is simple, safe and can be reversed) is Spybot Anti-Beacon. Install it (or a different program of your preference) and you should have plugged the leak of your personal information. At least much of it. Or dump Windows 10 and opt for Linux. Happy Computing!

OZARES – What do they do?



Do you have a desire to serve your community?
Do you have a desire to increase your communication skills?
Do you have a desire to function as part of a team of dedicated amateur radio operators?
Do you have a desire to assist the public during times of communication emergencies, disaster, or when normal communication systems are overloaded?

If you can answer yes to any of these questions, you may want to consider joining OZARES (Ozaukee County Amateur Radio Emergency Service). ARES, affiliated with the ARRL, is made up of licensed amateurs who have voluntarily

registered their qualifications and equipment for communications duty in the public service. There are four levels of ARES organization: national, section, district, and local. Membership in ARRL is not necessary for ARES membership. OZARES members are also members of RACES (Radio Amateur Civil Emergency Service).

OZARES members have the capability to communicate “off the grid” in times of disaster, severe weather situations, support for emergency communications and public service events. Members have training as severe weather spotters (including SKYWARN), use of digital communication, functioning in a formal net, the organization of the Incident Command System (ICS) and National Incident Management System (NIMS), and many other areas relating to communication duties in the public service. OZARES members participate in tabletop exercises with County Emergency Management and other jurisdictions; we also participate in national exercises run by Homeland Security and the annual ARRL Simulated Emergency Test (SET). Ozaukee County Department of Emergency Management is our served agency, but our true customer is the public.

We conduct a weekly net on Thursdays (except for the 4th Thursday) at 8:00 P.M. on 147.33 MHz PL 127.3. The nets are conducted in a formal manner, and we use them to keep our skills sharp and to assess our communication capabilities. We always welcome guests on the net. We hold a monthly meeting on the 4th Thursday of each month (except June and November) in the Emergency Operations Center in the County Justice Center, located in Port Washington. Again, guests are always welcome.

OZARES currently has 16 active members, and we are actively recruiting new members. You don’t need to be an “expert” to join; we all learn to increase our skills through participation and training. Please join us on one of the weekly nets or attend one of the monthly meetings; we welcome newcomers and we all will assist you in becoming an active member and part of the team. If you’re interested or have any questions, please contact me or any other OZARES member, and we’ll be glad to help you in any way possible.

What did we do specifically during 2015?

April, 2015

Triple Tornado Tabletop and Functional Exercise - Combined Exercise with Ozaukee County Emergency Management and Wisconsin National Guard 157th Maneuver Enhancement Brigade

May, 2015

Ozaukee County Emergency Preparedness Day

Cedarburg MS Walk

June, 2015

Tour de Cure

August, 2015

Waukesha County Full Scale Disaster Exercise

Combined exercise with Waukesha and Jefferson County Emergency Management, Police and Fire Departments, American Red Cross, Salvation Army, Wisconsin National Guard Reaction Force.

October, 2015

SET (Simulated Emergency Test) 2015

Wisconsin State ARES/RACES Conference

Projects:

Radio and antenna installations at Columbia-St. Mary's Ozaukee and Aurora Grafton Medical Center

Ongoing activities

Weekly net: Thursdays@ 2000 - 147.33 mHz CTCSS +127.3

Monthly meeting: 4th Thursday of month @ 1900 in Ozaukee County Justice Center Emergency Operations Center

Quarterly Public Health radio test between EOC, Public Health Department, CSMO, and Aurora Grafton.

Art Davidson AC9CD
Emergency Coordinator OZARES
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414-426-6665 c

A "GO KIT" project for OZARES Emergency Communications Support was developed by Art and placed on display at the December meeting. This go kit can be powered by 110V shore power or an external battery supply. The bottom houses a 13.8V power supply, battery booster, and a low loss powergate. The top panel has a cooling fan, RigRunner for power distribution, battery booster remote, PWRcheck, and a Yaesu FT-7900 2m/440 transceiver.

Upcoming Events

Elections will be held at the January 13th meeting. The nomination committee will be publishing the nominated slate of officers on the remainder. Nominations may also be made from the floor. Your dues must be paid to vote.

Wanted and Not Wanted

I am in the market for a mobile HF rig and/or an entry level Amp. Kevin, K9VIN - Ksteers@sbcglobal.net
414-8078750

FOR SALE Raspberry Pi 2015.12.13b 1.0 Single board computer
- with transparent case and 32Gb memory card
- Linux on board, power cable and lots of articles
- flawless, works perfectly
- easily an \$80 value; want \$40, firm

WB9RQR Stan 262 268-1949



Ozaukee Radio Club Meeting Minutes

December 09, 2015

Zach Yatso (KC9ZNR), Secretary



Chuck Curran (W9KR), President, called the meeting to order at 1928. Introductions followed.

Announcements:

David W Carpenter II (KC9REO), a member of ORC, is running for Mayor of Hartford, WI.

Program:

Art Davidson (AC9CD), Emergency Coordinator for Ozaukee County's ARES (Amateur Radio Emergency Service), presented on what OZARES has been up to in 2015. There was a Go Kit on display. OZARES meetings are usually held in the Emergency Operations Center (Justice Center, Port Washington)

on the fourth Thursday of the month, at 7 p.m. Nets are held on most other Thursdays at 8:00pm on the 147.330 repeater and guest check-ins are welcome.

50/50 Drawing:

There was no 50/50 drawing this month.

Auction:

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

Officer Reports:

Chuck Curran (W9KR), President – The Board decided to purchase three new grills for use at Field Day and other ORC events. They were an excellent deal at \$79 /ea. The availability of the proposed 2016 Field Day Site at Pleasant Valley Park remains unknown pending a required amendment by the Parks and Recreation Board, so the Hawthorne Hills site will be reserved as a contingency.

Kevin Steers (K9VIN), 1st VP – The ORC Awards Banquet will be held on Feb, 20, 2016 at The Hub at Cedar Creek.

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

Tom Trethewey (KC9ONY), Repeater VP – The 220 repeater is working well, and the 440 is working (but not being used). The 2m system amplifier is malfunctioning and must be replaced. A new amplifier will be purchased soon (sufficient pre-approved funds are available).

Zach Yatso (KC9ZNR), Secretary – Motion to accept November minutes was made by Nancy (KC9FZK), seconded by Dave (N9UNR), and carried without debate.

Dave Barrow (N9UNR), Treasurer – motion to accept Treasurer's report was made by Bill (KA9WRL), seconded by Tom (W9IPR), and carried without debate.

Committee Reports:

N/A.

Old Business:

Tom (W9IPR) reports that licensing classes are going well. Any class-related documents are available upon request.

The Awards Banquet is coming up in Feb, please send nominations for the various awards to Ken (W9GA).

Chuck (W9KR) announced that an agreement was reached with the WI Antique Radio Club to participate in the ORC Swapfest. The agreement is mutually beneficial and should result in increased attendance and publicity for both clubs.

New Business:

Officers Nominations for 2016 are being collected. Please contact Ken (W9GA) if you have an interest or would like to nominate someone for ORC office.

Adjournment:

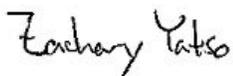
Stan (WB9RQR) made the motion to adjourn at 2059. The motion was seconded by Nels (WA9JOB) and the motion carried.

Attendance:

There were 27 members present and 5 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

January 13th, 2016

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: Elections
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 ?

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The ORC Newsletter

465 Beechwood Drive
Cedarburg WI* 53012

First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton
Wednesday, January 13th

7:00 PM – doors open

7:30 – Membership Meeting