



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

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Volume XXXIII

April, 2015

Number 4

From the President

de De Chuck Curran, W9KR



I would like to remind the club membership of our upcoming Awards Banquet scheduled for April 25, 2015 at "The Hub on Cedar Creek" Ken Boston, W9GA, has been working hard at gather gift certificates, with help from a couple of others. Bill Howe, KA9WRL will be present with his band playing a variety of songs for the background music. We have many that have already signed up so with plenty of time until the cut off on April 18th, I feel we will have a good turn out. Please give Ken a big Thank You for his efforts on gathering the gift certificates, it does take time!

Remember to dig through your collection of unwanted Ham Radio related parts and gadgets and bring it to the Club Auction for the April meeting. It is a great way to clear out some of those treasures you thought you needed 8 years ago, but never used. Our Chief Auctioneer Stan Kaplan, WB9RQR will always welcome a few more dusty treasures to auction off to the highest bidder.

We did get the enclosed 6 x 12 trailer home from the dealership in Random Lake, WI. After spending even more time looking it over, no problems or issues were found, it is in great shape. The new ORC Club stickers were applied and the interior given a fresh coat of paint. It currently has a 7 pin Bargman electrical connector, I will be changing that over to a 4 pin connector common to boat trailers. We will have a 7 pin Bargman convertor that allows a 4 pin trailer plug to plug into it, so anyone will be able to pull the trailer with these two types of connectors. A scissors jack and lug wrench are also going to be permanently stored in the trailer for those potential flat tires in the future! I think it is all set to use.

We have our May 2, 2015 Swapfest rapidly approaching. Loren Jentz N9ENR, Bill Howe KA9WRL, Tom Trethewey KC9ONY and myself have been in regular communication the last month sorting out the remaining details. We owe Tom, Bill and Loren all a big "Thank You" for their efforts in getting a great Swapfest put together.

At the April meeting we have another great program being presented by Vic Shier, WT9Q. He will be running through the installation of a mobile rig, something that I have never done. Looking forward to this presentation.

73's, **Chuck W9KR**

DX'ing & Contesting

de Gary Sutcliffe, W9XT



If you know anything about radio propagation, you know the sun has a huge effect on band conditions. A lot of sunspots and a quiet geomagnetic mean good propagation on the HF bands. A solar flare can send charged particle towards the earth and disrupt radio communications. We might even get radio blackouts on HF like we had a few weeks ago. If enough particles get trapped in the earth's magnetic field we might get an aurora which can provide some interesting times on VHF CW and SSB.

We call what happens in the atmosphere weather. What happens above the atmosphere and the solar system is called space weather. If we want to know what the weather will be tomorrow we can catch Vince's weather report on the Channel 6 news at 10:00 PM. He will show maps of cloud cover, high and low pressure zones, the jet stream and all the other events affecting the weather.

We need a broadcast space weather report to tell us what radio conditions might be like the next few days. They should show sunspots and solar flares and if and when we might be hit by a stream of protons from ejected from the sun. The state of the geomagnetic field is important, and maybe warnings of possible bad radio conditions much like they warn of the big Alberta Clipper that will dump a foot of snow on us over the weekend.

Well, there is a broadcast like that now! Check out <http://spaceweather.tv/>

April is a quiet month in the contest year. There are a few state QSO parties. There is one contest that might be of interest to some members of the club. It is the phone edition of the ARRL Rookie Roundup. It is for hams who have been licensed for 3 years or less. More experienced hams are encouraged to give the competitors contacts, but can't compete.

Years ago there was the Novice Roundup which was for new hams. This morphed into the Rookie Roundup since the Novice license is no longer issued by the FCC. It is a good way to give contesting a try in a less stressful competition than the big contests.

The phone version of the Rookie Roundup is on Sunday April 19 starting at 1800 UTC (1:00 PM local) and runs for 6 hours. Operations are on 80, 40, 20, 15 and 10 Meters. The exchange is both calls, "check" and state. The check is the last two digits of the year you were first licensed.

An exchange would go like this: W1ABD from W9XT, Gary 70 Wisconsin. Since my check is not 13, 14, or 15, I should only be working stations with those checks. Full rules and information is at <http://www.arrl.org/rookie-roundup>

This month is also light on DXpeditions. Two stand out. The first one is to Chatham Island east of New Zealand. This is a fairly rare country that will be on April 3-15. The three ZL operators will be on 40-10 meters and running CW, SSB and RTTY.

The other good one this month is to the Spratly Islands. This is a group of islands in the South China Sea that are claimed by Brunei, China, Malaysia, the Philippines and Taiwan. Tensions have increased over the years, especially since oil and gas were discovered. There have been

incidents where countries have established small military outposts to enhance their claims over the territory. In 1983 a group of German hams were sailing to the islands to put it on the air. They were attacked by a Vietnamese gun boat. Two of the hams and some of the crew were killed.

This month's operation is by a group of American and Phillipian hams running two stations from 160 through 6 meters. They will be there April 14-20 using the call DX0P.

Those are the highlights for a pretty quiet April, radio-wise. Enjoy the warming weather!

Upcoming Events

Tom, W9IPR, will be giving his "Wire and Stealth Antennas" presentation at the Lakeland ARC on Monday evening. ORC members are welcome.

We will be having a Sun-n-Fun special event station from April 21 thru April 26. The call sign is W4S. Be sure to listen for us – you will hear the radials, Thunderbird and Bretling air teams in the background.

ORC Fall Swapfest – May 2nd, 2015 – at the Ozaukee County fairgrounds – see you there

Dayton Hamvention – May 15,16 & 17

Notices

Starting February 17, the FCC no longer will routinely issue paper license documents to Amateur Radio applicants and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS), although the FCC has continued to print and mail hard copy licenses. In mid-December the FCC adopted final procedures to provide access to official electronic authorizations, as it had proposed in WT Docket 14-161 as part of its "process reform" initiatives.

Under the new procedures, licensees will access their current official authorization ("Active" status only) via the ULS License Manager. The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one. Licensees also will be able to print out an official authorization - as well as an unofficial "reference copy" - from the ULS License Manager.

The Computer Corner
No. 206. Malwarebytes Anti-Malware

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



Stan got hit! Here is what happened, and the lessons learned that might help you, too.

ta

I was installing a 64-bit copy of Windows 7 on a newly acquired Dell laptop. All was going well. I had completely wiped the hard drive, made a C, D and E partition and had finished installing Windows on C. Then I installed my favorite browser – Firefox – on the D drive, and I opened it to get fresh copies of other favorite programs. Ouch! A popup was making it impossible for me to proceed! Darn thing was demanding I purchase something or other, and there was no X in the upper right corner (or anywhere else, for that matter) to close it. Furthermore, Firefox would not close, either. OK, Ctrl-Alt-Del brought up the Task Manager, and I was able to close both the popup and Firefox. Reopening Firefox brought the same sequence, with the popup in my face. I opened Internet Explorer, and it was there, too!

OK, I knew I had a job. I hit majorgeeks.com (the ONLY safe site on the web for freeware; you can trust them), looked in their Anti-Malware category under Malware Removal and Repair. There were over 100 programs there! So, I picked three based on their date, compact size and description. I installed and ran one, rebooted, and the popup was still there. So, I installed and ran another, rebooted and the popup still popped up. The same results were had with the third. Clearly the infection was in several places, probably including my Windows Registry.

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So, I sniffed around majorgeeks.com for a little guidance. Under Site Info, within their Top Freeware Picks section (which they tout as absolutely the best, 5 star rated, totally free programs), I found Malwarebytes Anti-Malware. They claimed that it is “simple, fast and effective”. That sounded good to me and I trust Majorgeeks, so I downloaded and installed it. When I ran the program, it found a number of PUPS (Potentially Unwanted Programs) and a couple of dangerous entries in the Registry and elsewhere, for a total of 8 bad items; it quarantined them all. I went back later and deleted the contents of the quarantine, just for safety, though the program assured me that they could hold no harm where they were. Most important, the popups were gone!!! Clearly the program is was winner! Here is what is written on majorgeeks.com:

Malwarebytes Anti-Malware is the de facto industry-leading free anti-malware scanner and has long been a favorite at MajorGeeks.com, especially with our Malware Removal Gurus in our forums. It detects and removes malware, spyware, and potentially unwanted items like worms, Trojans, rootkits, rogues, adware, and more.

The free and pro versions are all in the same download file. All you have to do is launch Malwarebytes Anti-Malware Free and run a scan. It's that simple. The program will offer up items to remove and clean them with no charge what so ever. Or, if you want even better protection, consider upgrading to Malwarebytes Anti-Malware Premium. The premium version will not only handle malware removal,

but has a number of additional options for protection including a instant real-time scanner that automatically prevents malware and websites from infecting your PC.

With over 15 million downloads at MajorGeeks; Malwarebytes is one of the top downloaded files of all time.

Now please understand that this program is not a substitute for your virus scanner. This is a tool to employ in addition to your scanner when you suspect you may have unwanted piece of malware in your system. Run it, clean out the infection, and go on with life. But you still need a virus scanner to prevent and clean infection by true viruses.

So, there you have it. Majorgeeks.com has saved my bacon again. That is why it is the home page for my browsers on all my machines! Happy Computing!

Lithium Batteries

Reprinted from an article by WA5BEN

Subject: [wl2kemcomm] Lithium battery dangers -- and the ONLY way to extinguish a Lithium battery fire

Reply-To: wl2kemcomm@yahoo.com

As the battery SME (Subject Matter Expert) on the Corporate Regulatory Compliance team at Texas Instruments Incorporated, I was "intellectually aware" of the significant dangers of Lithium based batteries. I just received a "personal reminder" that should be passed along.

My wife had stopped using her music player, and put it in a little-used drawer. I opened that drawer a couple of days ago, and found that the LiOn battery pack was swelled to at least 8 times its original thickness (was ~ 1/8", now closer to 1"). While the player may have been left on (unlikely), the likely cause is battery failure from an internal short that caused the battery to heat up. This is the sequence:

1. Initiating event: over-discharge or internal short
2. Both pressure and temperature increase
3. Thermal runaway
4. Gas emission and/or fire and explosion (which releases flammable liquid in LiOn and molten Lithium in primary cells)

We were quite lucky that it did not explode and catch fire....which brings me to a critical piece of information that is not known to 90%+ of the population: *How does one extinguish a Lithium battery fire?*

First and foremost, NEVER, EVER put water on any Lithium fire !!!.....Water may ADD FUEL, and make the fire LARGER.

There are two ways to extinguish Lithium:

1. DRY sand (most recommended method)
2. Dry chemical extinguisher -- MUST be rated "ABC"

Events that may cause battery failure and destructive runaway include:

1. Dropping the containing equipment, or the cell or battery pack (collection of cells)

2. Puncturing a cell
3. Overheating
4. Improper storage

For the person who has small capacity batteries, small precautions are recommended. For persons, businesses, agencies, and NGO that maintain multiple relatively high capacity LiOn and large capacity Lithium primary batteries, specific precautions are recommended -- including a consultation with the local fire department to make them aware of the presence of quantities of these batteries.

* LiOn and Lithium batteries and containing equipment should be stored with NO COMBUSTIBLE MATERIALS.

* Multiple units (e.g., spare radio batteries) should be stored in a METAL case or locker that would contain any fire.

* Because a fire in one cell/pack will cause fire in any cell/pack in close proximity, good practice would provide two separated locations.

Regards,

/Larry Randall -- WA5BEN/

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How It Was - Vince Lombardi Golf Classic

Submitted by Nels Harvey (WA9JOB)

It was 1996. June 15th was the day for the Vince Lombardi Charity Golf Tournament this year, and Ted Willett, W9NHE had already set up the base antenna on the North Hills Country Club clubhouse roof. He had missed his usual visit to the Ozaukee Radio Club's meeting in May, so he actually got up early one Saturday, and joined the breakfast bunch at Jalisco's to promote participation in this annual event. The day promised to be an excellent day for a golf outing. Now, he only hoped some help would arrive to man the communications positions.

It's not often that I need to set my alarm any more, but it went off that morning in time to get me there on time for the sumptuous buffet breakfast. The parking permit let us park real close to the course, actually on the grass near the 9th hole. As I was guided to my parking spot, I noticed couple familiar cars with call plates. The marshals were very friendly, and courteous as they directed me. It was later that I learned they had to park way across the street!

When we finished the brief organizational meeting, we all lined up for the buffet, and plates of steamy food were carried to the elegant dining area, with real linens, real china, real celebrities, comfy chairs with wheels, and a beautiful view of the course. After OD'ing on the coffee, we charged out, ready to go to work.

Jim and Jason, N9NNA and N9NNB, manned the 1st and 10th tees. They reported to Hank Stoddard, who has replaced Earl Gillespie as event announcer. Using business band radios, they kept Hank up to date on who was teeing off, so he could announce them to the gallery. One time Hank couldn't raise Jason on the radio, so Jack, W9ATK, sent me over to the 10th tee with a fresh battery. I found Jason missing, with the marshal guarding the radio gear. I took

over, updated Hank, and wondered what happened to Jason. A few minutes later, Jason returned with his footballs, and proudly showed me the Jerry Kramer autograph! He had chased Jerry all the way to the 10th green!

Ray, N9SQA, manned communications for the paramedic team. After treating a possible fractured ankle and someone who was hit by a ball in the back of their leg, a call came in that some man had collapsed near the 5th hole, as far as possible from the clubhouse. Ray rode with the paramedics, trying to figure out where we were, with no map, or course knowledge. They found us, and the man who had collapsed, in very good time. Fortunately the man had revived after being doused with water, and was standing around feeling foolish. He was checked out, and all was fine. Our radios were invaluable!

The Ozaukee Radio Club has provided communications for 25 years now, at the Lombardi. This year, no lightning chased golfers off the course. Nobody ran over Mike Ditka's golf ball like Skip, KA9DDN, did one year. The weather was wonderful and the Lombardi Colon Cancer fund was replenished. A few faces were missing this year. Charlie, WA9CPE, wasn't there at the 5th green reporting scores. Skip, KA9DDN wasn't running over golf balls. Even others were missed and will never be back. They include Travis, W9VQD, Larry, KA9UBW, Russ, N9KHE, Ralph, WA9MLY, and probably several others that I've forgotten about.

The golf course has grass in the rough better than my yard. The fairways are better than most other greens, and the greens there are impeccable. The breakfast was great as always, and the scenery was tops. The Ozaukee Radio Club has a long tradition of service for this cause that we all can be proud of.

73, Nels....

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Nels Harvey WA9JOB

Home 262-241-3769

Cell 414-531-2237

Greetings from the "Jolly Ole Bootlegger"

Ozaukee Radio Club Membership Meeting Minutes of March 11.2015

Zachary Yatso, KC9ZNR, Secretary

Chuck Curran (W9KR), President, called the meeting to order at 1930. Introductions followed.

Announcements:

Mark F. (KB9PXE) showed off his new Anart SJ400 camera, a full-featured "GoPro" clone for a fraction of the price. The ORC has supplied a new projection screen for the Grafton Multipurpose Senior Center, which will enhance presentations for everyone using the facility. Ken B. (W9GA) was able to make K1N Navassa Island DXpedition on 6m. Nels H. (WA9JOB) wanted to announce on the record that he "accomplished absolutely nothing". Bill S. (W9MXQ) made his longest contact to date ~9800 mi!

Program:

Tim Boppre (KA9EAK) introduced the WSPR, or "whisper", Weak Signal Propagation Reporter software. Originally developed by Joe Taylor (K1JT), the software is now open source and is a great way to explore propagation paths with very low-power transmissions.

50/50 Drawing:

The 50/50 drawing was held by Nancy S. (KC9FZK) and won by Todd F. (N9DRY).

Auction:

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

Officer Reports:

President's Report – The Hub at Cedar Creek in Cedarburg is confirmed for the Annual Award banquet on April 25th. Meal price is \$18 per person. See the ORC website for details.

First Vice President's Report – No report.

Second Vice President's Report – No report.

Repeater Vice President's Report – Tom reports the 440 repeater is having issues (but there haven't been any complaints, due to the repeater being underutilized). 220 is working great. On the 2 meter net, there was a check-in from a South-Chigaco station. Advance tickets to the spring swapfest are \$4.

Treasurer's Report – motion to accept Treasurer's report was made, seconded, and accepted without debate.

Secretary's Report – motion to accept February minutes was made, seconded, and accepted without debate.

Old Business:

If you're not on the club remailer and want to be included, please email Nels at nels@wi.rr.com.

Vic S. (WT9Q) indicated that Lazy Days Campground needs to be notified Field Day will be held at an alternate location this year. A letter of appreciation will be written to Lazy Days in thanks for hosting many years of Field Day activities.

Ken reminds us that awards banquet blanks are due at the next meeting! Please vote if you haven't. A ballot can be downloaded and brought to the April meeting. Also, if you would like to solicit a prize for the ORC awards dinner, please contact Ken for details.

New Business:

The question of swapfest pricing was raised: ORC currently charges \$6 for tables while the average in WI is \$10-15. A decision to increase table prices will be left to the Swapfest committee for next year. Early promotional flyers can be printed sans-cost. Stan made the motion to table the issue until it can be discussed by committee. The motion was seconded by John (W9FAD) and passed without further debate.

Nels made the motion to approve ORC Policy & Procedure #10 – Scholarship Committee Policies. The motion was seconded by Art (AC9CD) and carried with 33 members voting for, 0 opposed.

Adjournment:

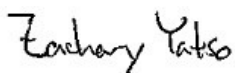
Stan (WB9RQR) made the motion to adjourn at 2055. The motion was seconded by Nels and the motion passed.

Attendance:

There were 41 members present and 4 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

April 8, 2015

1. 7:00 – 7:30 PM – Network & Rag Chew
2. Call to order: Chuck Curran (W9KR)
3. Introductions.
4. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
5. Program:
6. 50/50 – Kristian Moberg, KC9TFP
7. Fellowship Break
8. Auction – Stan Kaplan (WB9RQR)
9. Presidents Report – Chuck Curran (W9KR)
10. 1st VP Report – Kevin Steers (K9VIN), First Vice-President
11. 2nd VP Report – John Strachota, W9FAD
12. Repeater VP report – Tom Trethewey, KC9ONY
13. Acceptance of Minutes : Zach Yatso (KC9ZNR), Secretary
14. Treasurer's report – Dave Barrow, N9UNR
15. Committee reports.
- Other:
16. OLD BUSINESS
17. NEW BUSINESS
18. 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, April 8th

7:00 PM – doors open

7:30 – Membership Meeting