



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

June, 2016

Number 6

From the President - Field Day Site Update

de Chuck Curran, W9KR



We are rapidly approaching our Annual Field Day event. As mentioned at several meetings and also recent emails, it will be at the Pleasant Valley Nature Park, on Pleasant Valley Road in the Town of Cedarburg. Pleasant Valley Road is about 2 miles north of Hwy 60, take Hwy I north and turn right onto Pleasant Valley Road. The park is about 1/2 east of Hwy I on the north side of the road.

We now have available for Field Day and other radio club activities, several brand new items. First, we have three new Weber Grills that Stan WB9RQR will be using to cook Turkeys for the Friday night gathering just before Field Day. There is also a new two burner propane stove for preparing breakfast Sunday morning and also used at the upcoming Corn Roast. The last item is three new 10' by 10' Shade Tents, for providing some shelter from either Sun or Rain during the contest.

We needed a propane tank to feed the stove mentioned above. A big Thank You to Curt, N9CBS, and also Stan, WB9RQR, both of whom have provided propane tanks, filled with propane!

Many of us took a great trip to the Dayton Hamvention, most going down on May 19th. A big group of us stay at the Fairfield Inn, in New Paris, Ohio. The Indiana/Ohio State line is a few hundred feet west of the motel, so I never was able to determine where I really was! All the big radio gear suppliers were present, with wonderful displays of their new equipment. I was most impressed with the Flex Radio display of their SDR equipment. They set up 12 of their Maestro control heads, all connected to fully operational antennas. You could simply walk up, sit down and learn the basics, with many Flex Radio employees there to help you out. Really a nice piece of equipment.

Tom, W9IPR and Ed AA9W did most of the work selling for the Scholarship Fund. Several of us sat and listened in awe as Tom told some of the most creative stories relative to the history of where some old part came from, all were obviously done in humor, to the laughs of the prospective buyers!

73's to All, Chuck W9KR

DX'ing & Contesting

De Gary Sutcliffe (W9XT)



As we move into the summer months, DX and contest activity slows down. HF radio propagation declines and there are few major contests. I'm pretty hard core when it comes to contesting but even I have a hard time spending a weekend inside when the weather is warm and conditions are often mediocre at best. Still, there are a few things going on radio-wise in June. One event lets you play radio and experience the great outdoors. That of course is the ARRL Field Day. FD is one of the big events at the ORC of course, and if you have been a member more than a year you should be familiar with what we do.

One change this year is that we will be doing it from a new location, The Pleasant Valley Nature Park just northwest of Grafton. That brings new challenges as we try to use the available resources or antennas, station sites, etc.

The ORC Field Day is a big event and we need lots of participation by the club members. We have a lot of transmitters and it takes a lot of members to keep them all on the air for the 24 hours of FD. If you are not into operating we can use a lot of help during set up and tear down along with other tasks during the event.

Be sure to be at the June meeting where FD Chair Ken Boston, W9GA, will go over the last minute details. I'm sure there are a number of jobs Ken still needs to fill. FD this year starts at 1:00 PM Saturday June 24 and runs for 24 hours. We generally set up the cook tent on Thursday night. Per the FD rules, we can't start setting up stations or antennas until 1:00 Friday afternoon. Then of course there is WB9RQR qr qr qr's famous grilled turkey dinner on Friday night.

The other major contest this month is the ARRL June VHF contest. This starts at 1:00 PM local on Saturday June 11 and runs until 9:59 PM Sunday night. This is for the 6M and above bands. The exchange is the grid square which for most ORC members will be EN53 or EN63. The other ARRL VHF events are in September and January. The June one is usually considered the best of the three because we are at the time of the year where we can get good Sporadic E (Es) propagation. If we are lucky enough to catch a good Es opening, 6M can be a whole lot of fun with hundreds of stations booming in. Full details at <http://www.arrrl.org/june-vhf>

There is not a lot of DXpedition activity this month, at least compared to the incredible number of really great ones we had earlier this year. Perhaps the most interesting is by CX3AN who is visiting a number of Pacific Islands in June. He will be signing V73AN until June 7. Next is Micronesia with V63AN June 7-9. The last stop is Palau using the call T88AN June 9-14. Operation will be 40-6 meters, CW and SSB. Operation is "holiday style" which means he will be on the air between regular tourist activities.

There are a number of operations to the Caribbean Islands this month to St. Martin, St. Kitts, St. Bartheleme, Dominica and the Bahamas. They are all single operator events and for the most part are likely to also be holiday style. These are pretty common and I would not make a special effort to make plans around them. They will be spotted on the cluster and if you happen to be around give them a call if you need them.

The biggest one in June based on the number of operators is to Malta using 9H3G. This is mostly a JA operation from June 28-July 4. They will be on 40-10, CW, SSB, RTTY and PSK.

That wraps up June. Get out your bug spray and sun block and plan on spending FD weekend with the club for Field Day.

The Computer Corner

No. 220: US CERT; Geek Uninstaller

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I have touched on US CERT before, but it really deserves more. The abbreviation stands for the United States Computer Emergency Readiness Team, located within the National Cybersecurity and Communications Integration Center (NCCIC). It puts out a US-CERT Cyber Security Bulletin each week listing new vulnerabilities listed by the National Institute of Standards and Technology (NIST) recorded in the National Vulnerability Database (NVD). The Department of Homeland Security sponsors the NVD. Now, that is really a lot of governmental alphabet soup! But it does provide a heads-up for software vulnerabilities, which we should pay attention to.

The bulletin lists three divisions: high, medium and low vulnerabilities. I found the 9 May issue of the bulletin (you can subscribe or read a single issue at www.us-cert.gov) quite interesting in the distribution of vulnerabilities. Here is a tabulation of just the high vulnerabilities for that week:

Adobe Acrobat	92 (50%)
Adobe Flash Player	25 (14%)
MS Office and Windows	26 (14%)
Google	25 (14%)
Linux	3 (2%)
Other	12 (7%)

The point is that Adobe products account for almost 65% of all high vulnerabilities for the week. Read that as: use of Adobe products is dangerous to the health of your computer because it opens vulnerability from viruses and other malware. So, I say it again: don't allow Adobe products on your machine until their corporate policies allow a great reduction in danger to your machine. When that happens, you can see it on the US-CERT website by following vulnerabilities, or I will be more than happy to report the increased safety.

I like to report on nifty new software that does its job well. Geek Uninstaller is one of those. Blazingly fast compared with the uninstall software utility built into Windows, it makes getting rid of installed stuff a pleasure. It does a rapid, deep, fast scanning to find all pieces of a program that are commonly left behind. It will even force programs to uninstall when they don't want to. Oh yes, did I mention it is free? Also note it is relatively tiny – only 2.46 Mb for the installer. Get it at Majorgeeks.com (no corporate relation to the Geek Uninstaller program). On the left Majorgeeks.com info bar, find System Tools, Uninstallers, and the latest version will be listed there. There are a lot of uninstall programs, but this one has wormed its way into my heart as a favorite. Try it.

Field Day is coming! Somehow, somewhere, participate in this worthy ham activity.
Happy, Safe and Smart Computing!

New Member

De Tim KA9EAK

Al Wyckoff, AB9AL has recently joined the Ozaukee Radio Club but he's not new to Amateur Radio. Al has been licensed for 46 years though he's largely only operated on the 2m band infrequently for many years. He's had renewed interest in operating and joined the club in the hopes of becoming more active once again.

Al got his start as a Novice back in Iowa as WN0ASM and was lucky enough to be the only operator of a station at his high school with a brand new Heathkit HW-101 which was assembled by junior and senior electronics classes none of whom had a license to operate the station. Within a year he got his General as WB0ASM and got to operate with the 1KW linear that they had also built. His operations during this time were primarily on 15 and 40 meters and HF operations are what he is most interested in getting back into.

After moving to Wisconsin, he obtained the call WD9ISH and bought a Swan SW-240 which he operated on 40 and 20 meters. The old Swan has been packed away for many years and he is looking to get it back on the air.

When Al got his Extra he obtained his current call, AB9AL.

Al has a BSEE degree from Iowa State and has worked at Rockwell Automation for 42 years, about half of that in product development and the rest in software in IT.

Please welcome Al to the ORC.

A FIELD DAY MEMORY



Many are they, who still alive,
Remember that day in sixty-five.
Sixty-four? Sixty-six?
Makes no difference. Est machts nichts.
That day in June, down by the lake,
Remember, man, for posterity's sake.

Tents were up, the operators busy,
The QSO's many, it made one dizzy.
Vertical masts reach to the sky

Supporting wires, oh, so high.
But, wouldn't signals be like fire,
If we could only get them higher?

Out of the cars came supporting stuff
To sail among the clouds of fluff.
First the dime store kites so frail,
Three together they did sail.
Lifting wire ... higher ... higher.
Oh, alas, the wind was strong.
These kites so frail did not last long.
The higher wire, so long, so brass



Lay horizontal in the grass.

What is this? A secret plan?
There it was in arms of man.
Balloon of rubber, without shame.
Kite of Gibson Girl fame.
Together, with H__ , they did conspire
To lift the corroded antenna wire.

Helium, in tank, a wondrous gift
In winds becalmed, it provideth lift.
The balloon was filled. Made secure.
For extra lift, the kite? ... sure!
"Attached to what?" the novice asks.
To antenna wire ... Would do the task.

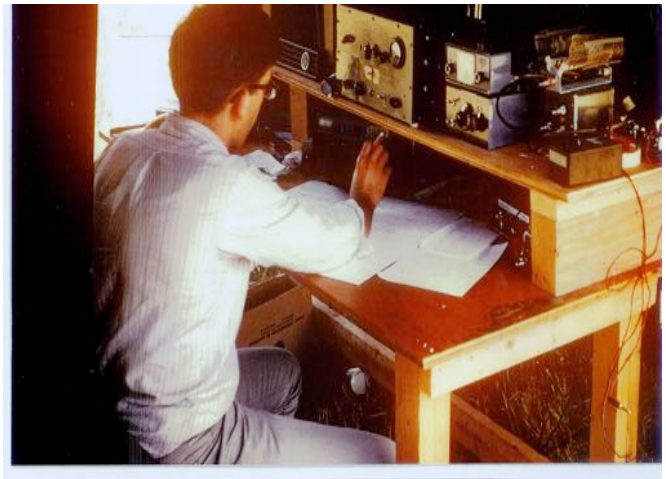
No tether for these noble fliers
With corroded, braided antenna wire.
The balloon and kite on winds did soar
Above the trees.
The breeze
Did catch the kite and raised them higher.
Reel out, old man, that antenna wire.

Then to everyone's surprise,
An awesome sight before the eyes
Of hams on Lake Michigan's shore,
The balloon and kite did higher soar.

What happened then does legend make.
The wire broke, the wind did take
The flying pair north, along the lake.
Trailing corroded antenna stuff
Balloon and kite, through winds rough
Bobbed and danced, up and down
Across Belgium town.
Perhaps Hans and Fritz, maybe others
Pursued the kite, under cover.

Folks along Lake Michigan's shore
Called electric friends for sure.
Their clocks had stopped,
Their TV's quiet.
What had caused this silent riot?
Something caused power lines to part.
And, as you know in your heart,
If no wire goes,
No current flows.

For miles the boys chased balloon and kite
Until it floated out of sight
In Sheboygan County.



Lest there be substantial bounty
For those that caused this foolish mess
Nothing was said, nay, even less.
Until to a ham relaxing in Binks
Up strolled a man who said, "Methinks,
You know more than what's been said,
About this broken power wire.
Was it a balloon sailing free, Sire?"
"I know not that of which you think,"
This fearless ham did not shrink.
Though threatened with loss of limb,
He did not flinch, not him.

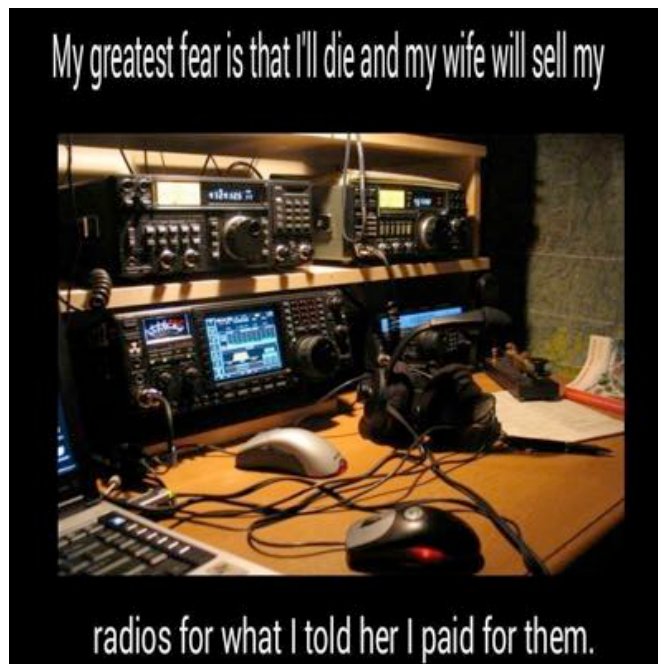


For many years the story slept,
Though to themselves
Hams laughed till they wept.
Gradually the tale was told,
The legend grew, the truth unrolled.

If you, new ham, must know more,
Seek out an old one from days of yore.
Listen, learn, await the day
You make your way
To the next Field Day
In the rough.
Legendary stuff!!!



Ray W9KHH



EARCHI Portable End Fed Antenna

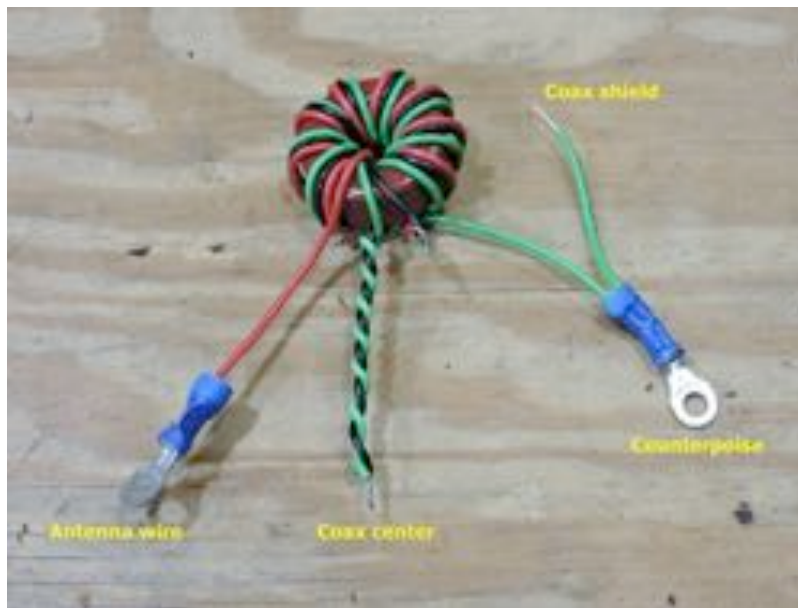
Tim Boppre, KA9EAK



Over the past couple of years I've had a growing interest in portable HF operations. It started with a Yaesu FT-857D and Mike, AB9ON's borrowed BuddiPole antenna. This combination took me through 23 days of camping last summer. Overall this portable station worked well and it planted the seed for some improvements for the next camping season. One item on the list was an expanded selection of

portable antennas. I did a lot of reading on portable wire antennas in particular, especially end feds and settled on the EARCHI end fed HF antenna. EARCHI is the Emergency Amateur Radio Club of Honolulu, Hawaii (<http://www.earchi.org/>). The antenna consists of a matchbox and the antenna wire, and is fed with a length of coax. It is intended to operate from 6m through 40m. The club has sold them on and off as a fundraiser but they also post the plans for it, http://www.earchi.org/92011endfedfiles/Endfed6_40.pdf.

Building the matchbox involves winding a 9:1 matching transformer. A T130-2 toroid is the core and winding is relatively simple with 9 turns of three separate 22 AWG wires which are then connected as shown to complete the transformer.



The transformer is placed in a box with an SO-239 and two bolts with wing nuts for attaching the antenna wire and an optional counterpoise.

The Dayton Hamvention

De Tom Ruhlmann, W9IPR

Yes, it was a great time at the Dayton HAMVENTION. There were several cars and about ten of the members representing the Ozaukee Radio Club. Ed Frac, who has moved to VA even drove over to join the group and revive old tall tales and create a few new ones over a few tall cans and manhattans.

Yes it did rain but we all survived and after drying out the scholarship fund merchandise we managed to sell over \$1300 in small parts. We made an effort to eliminate any coins in the cash drawer by charging a dollar or more for most everything. Our largest transaction was \$60 and most were \$1 to \$10 in small parts. It was a good time with good company.

Special thanks to John Strachota who had made six wood trays into which we were able to sort small parts for sale. If they can't see 'em they won't buy 'em. Also, thanks to Sandy Wirth for the use of his enclosed trailer – it provided great shelter during the rains.

So what did I buy? Not much other than a fire extinguisher. But I did sell a few things – that really pleased Pat.



Ozaukee Radio Club

Meeting Minutes -May 11, 2016

Zach Yatso (KC9ZNR), Secretary



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

Announcements:

Gary D. (K9DJT) has worked 300 countries with 296 confirmed! Bill H. (KA9WRL) brought in a 1910 MESCO solenoid motor for show and tell; he bought it for only \$4. Dave B. (N9UNR) announced that personalized ORC business cards are available and to speak with him if interested. Nancy S. (KC9FZK) and Kate H. (KB0SIO) have taken on responsibility for the 2016 Corn Roast, to be held on Saturday August 13th at the Pleasant Valley Nature Park in Cedarburg. Meet at 1100 and meal starts at 1200. Bring a dish to pass.

Program:

Ken Boston (W9GA) presented on "The ARRL Field Day Event": an introduction to Field Day, and lots of members told stories of past events going back to 1959.

50/50 Drawing:

The 50/50 drawing was held by Kristian (KC9TFP) and the winning ticket was #5243.

Auction:

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

Officer Reports:

Chuck Curran (W9KR), President – Thanks to Stan for a propane tank (with fuel) for the ORC grill, and thank you to all who contributed and assisted with Swap Fest activities.

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

David Carpenter Sr. (KC9REP), 2nd VP – No report.

Tom Trethewey (KC9ONY), Repeater VP – Cleaning up the repeater shack, took out old tube amp.

Zach Yatso (KC9ZNR), Secretary – Motion to accept April minutes was made by Dave B., seconded by Stan K., and carried without debate.

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

Committee Reports:

The Scholarship Fund sold over \$400 in vacuum tubes. John S. (W9FAD) offered to make item bins for future Swap Meet.

Tom R. spoke briefly about the SUN 'n FUN Special Event Station in Florida; they just put up a tower with a new Hy-Gain beam antenna. The station worked several club members and made over 800 contacts in 43 states.

Old Business:

N/A.

New Business:

N/A.

Adjournment:

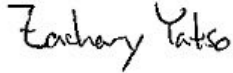
Stan K. (WB9RQR) made the motion to adjourn at 2059. The motion was seconded by Art D. (AC9CD) and the motion carried.

Attendance:

There were 42 members present and no 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

June 8 th, 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 –
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 ?

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton
Wednesday, June 8th

First Class

Return undeliverable copies to

The ORC Newsletter

465 Beechwood Drive
Cedarburg WI* 53012