



The ORC News-

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

Volume XXVIII

December, 2009

Number 12

From the President

De Bill Howe II (KA9WRL)

Just weeks before Christmas, and down in the Shack, the bands were not open, not even a crack.

The XYL was sleeping, upstairs in her bed, while visions of shopping swirled 'round in her head.

I'm in my PJ's, slippers and cap, scanning the bands, for a pop, whistle or snap.

When all of a sudden I distinctly heard chatter, on 160, no less, but that didn't matter.

I swung the beam north, where the voices were stronger, and tuned my long wire, which I just had made longer.

I heard "CQ DX" from up near the pole, and calling that station was my immediate goal.

I picked up my mic and threw out my call, and he responded to me with a familiar drawl.

"I'm mobile", said he, "in a red and green sleigh, pulled by 8 reindeer and heading your way."

At once I had visions of new radios and gear, plus mono-band yagis, to start off the year.

But all of sudden I let out a scream, fell out of my bed, the whole thing a dream!

My wife never woke, just turned with a sigh, I climbed back in bed, 'cause morning was nigh.

New radios are not in MY future, I fear, but a Merry Christmas to YOU, and a Happy New Year!

Hal Gesie, W9RXJ - SK

De Bob Krubsack (WQ9N)

Amateur radio and our radio club lost one great HAM. While in recent years his activity was limited by health issues, he was a very active DXer, experimenter, Elmer, home brewer, parts supplier, field day fiend, club member, and the list could go on. He was a serious ham. His home on Green Bay Rd north of hwy 33 had a 100 foot tower full of antennas and a 500 ft. long wire across his father's farm field.



Hal Giese (W9RXJ) shown here in 2006 was one of the ORC founders

When this club was founded he was there. He held various offices in the club and often served as auctioneer at club actions at the old Hill school until it burned down. He started a club newsletter way back then called "Feedback". Our club historian has some old copies. He or-

ganized hamfests with sit down dinners at the Belgium community center in the 70's.

My first "encounter" with Hal was in 1966 at field day at Bach's property down at the lake front. It was the last year that site was used before moving to Lazy Days. We worked 20 m phone and when it died at night we all sacked out. It was rather tame compared to field days that followed. Each field day saw some new sometimes outlandish antenna for 20 phone; some worked well and some not so well. The rig was a Galaxy 500 until replaced with the Drake R4B and T4X. and then by the Kenwood TS850.

Then there was Hal's invention known as the Blue Bomb. It was a 4 by 8 foot enclosure 6 feet high that mounted on his Sears trailer. It took the place of a tent for operating. It had windows, an 8 ft. long shelf for equipment and electric receptacles all across the shelf. In those days we operated 27 hours with no set up before hand. We could be on the air in 15 minutes or less. This served until it was replaced by the tent, the one he donated to the club when he gave up field day participation.



NO, THIS IS NOT A PRIVY. Bob Krubsack WA9KBB and the operating position he worked is mounted on wheels. The call letters W9LO were used to identify the Club during the contest.

Hal created the "blue bomb" mounted on a Sears trailer for rapid deployment at field day.

Many of our club members probably don't know Hal well since he moved from Port in 1972 when Northern Signal, where he worked at the time, moved to Minnesota. Until his health prevented it he always returned for field day. Field day was his love. Many hours were spent negotiating with W9LO on the bet for whose station would have more contacts. He operated 20 meter phone for many years, thirty plus years that I worked field day with him.

Even when his health forced him into a nursing home he never forgot his roots in our club. All his equipment, and there was a lot in that basement, was donated to the club scholarship fund. His doctor who also was a ham set up a station for him in his room at the nursing home from which some limited operating was done.

As a DXer he achieved 8 band DXCC. He has been on the DX honor roll for some time with 354 total countries confirmed, 332 on the most current countries list.

As an experimenter I don't believe he ever bought a rig that he didn't try to modify to improve its performance. His parts supply was legend. If you needed something he probably had it. Even after he moved to Minnesota he would return for the club swap fests with his supply of parts.

One of his early mentors was none other than W9CQO. I don't know how many he himself EImered but he always would help any who asked.

There are so many stories about his accomplishments, some great, some humorous, and some---well just talk to some of the old timers like W9LO, W9BCK and W9BUJ who knew him before the club was even formed. I think they would fill a few volumes.

He has been an ARRL member for over 50 years. Without him this club would probably not exist.

He will be missed!

Contesting

De Bob Truscott (W9LO)

Bob will be publishing the results of the CQWW CW contest in the January issue.

VHF & UHF

De Todd Sprinkmann (KC9BQA)

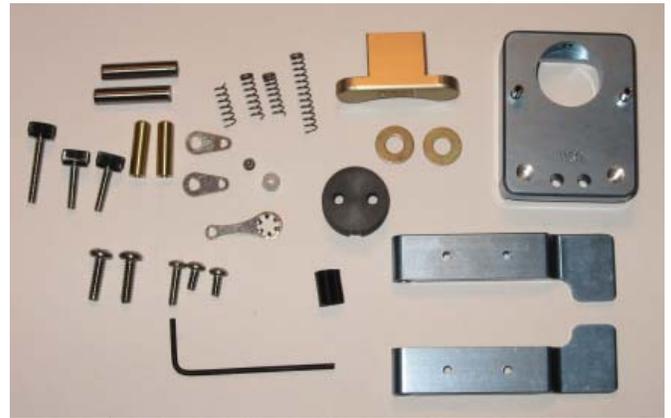
I'll be back next month with info about the ARRL Jan. VHF Sweepstakes, which is Jan 23-24th, 2010.

The Search for a Portable QRP paddle

De Tim Boppre (KA9EAK)

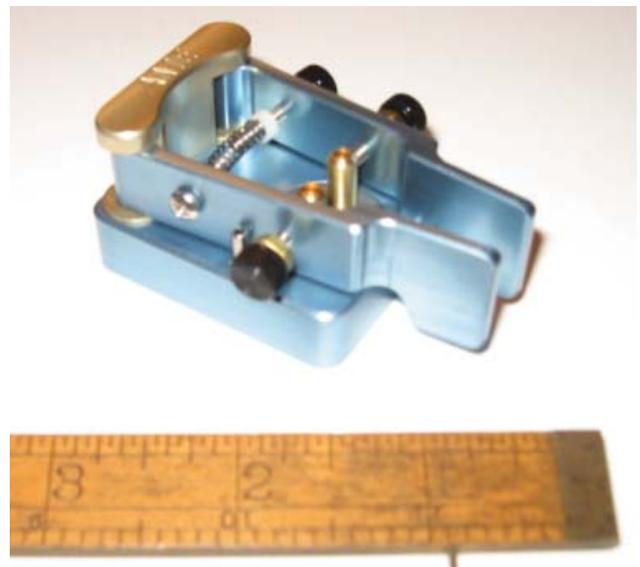
To equip my QRP station I decided I wanted a small, portable paddle. After doing some searching I came across American Morse Equipment (www.americanmorse.com). Doug Hauff, W6AME builds a great selection of very nice portable paddles and keys and he sells them as kits. After reading some very favorable reviews on eHam (www.eham.net) I decided to purchase a Porta-Paddle.

It took a bit over a week for my Porta-Paddle kit to arrive in the mail. The core components of the key are very well machined aluminum that is anodized a light blue. In the very beginning of the build instructions he recommends that you open the parts bag over a container like a pan or shoebox lid. I heartily endorse this recommendation. There are a lot of small parts just waiting to fall from your workbench and find their way to a remote corner of your shop never to be seen again. The parts that go into the key are pictured below:



Upon comparing the parts that I received with the list and pictures on the American Morse Equipment site it appeared that three brass 4-40 nuts were missing and I had three extra springs. This was no big problem and a quick trip to the hardware store resolved the issue. Since most projects require at least three trips to the hardware store I figured I was ahead on this one. Little did I know that the nuts weren't actually missing.

Assembly is very straight forward. You only need a #1 and #2 Phillips and needle nose pliers to complete assembly. A hex key is included for the single set screw. The key was assembled in short order and wired up for testing. The completed key is pictured below:



Once I had the key built I sent a quick email to Doug at American Morse Equipment thanking

him for the very nice work. I also mentioned that I had three left over springs and that the three nuts were missing. He quickly responded that he had shipped the kit to me so quickly that he hadn't updated his website. The nuts weren't missing and the springs weren't extra. They are used to replace the nuts. He told me that I have the very first issue of the Porta-Paddle II-A kit! The springs provide the tension on the adjustment thumbscrews and alleviate the need to use a small wrench to tighten the nuts upon achieving the desired adjustment.

All in all the Porta-Paddle, or more properly the Porta-Paddle II-A, is a great little key and I am very happy with it. Doug Hauff, W6AME of American Morse Products builds a nice product and provides excellent support. If you are in the market for a portable key I'd highly recommend taking a look at his offerings. I suspect that there will be a couple more of his keys ending up in my shack in time. I can't wait to couple this key up to the brand new Rockmite kit (with matching Mity Box – also by Doug) that I have sitting on the bench waiting to be built but that's a story for a future newsletter.

MRC Swapfest at Elk's

We just couldn't help ourselves and had an early breakfast and went to the Swapfest at the Elks Club across from AES. It was a good time and it seems to have expanded from the past few years



The main room was full of vendors and it required a few passes to be assured you had seen all the potential bargains.

This year they occupied two rooms and there was quite a bit of "good stuff". I even got some 600 ohm open wire twin lead which I haven't seem for several years – in fact it may have

been the same reel I saw several years ago. I also got a guitar I can't play and a grinder for which I have no use so I guess it was a great Swapfest.



The vendors overflowed into a second room and some very good bargains occurred there in that not everyone was aware of its existence.



Swapfests are always good for meeting old friends such as Phil from Waukesha. Ed Rate (AA9W) did well with the scholarship sales again resulting in a net gain of \$470 and loss of approximately 150 pounds of "good stuff".

Upcoming Events

Don't forget, Tom Murtaugh (W9VBQ) will be at the December meeting and again taking photos of all the members in attendance. He is trying to get photos of everyone for a membership photo

album. If you were not at the Nov. meeting please try to be at the Dec. meeting to make this project a success.

ORC Tuesday Night Net

Don't forget about the ORC Informal Net on the 2 meter repeater at 7:30 PM (19:30) each Tuesday evening. It's fun to visit and catch up on everybody's activities for the past week. It also a good resource to answer any operational or technical questions you may have. This evening I even met two HAM's new to me: AA9WP, Don in Grafton and a new HAM, KC9QNH, Fred in Kewaskum. I will be listening for you next Tuesday.

THE LOCAL CLUB RESOURCE

(From the ARRL Letter, Vol. 28, No. 33, August 21, 2009. – submitted by Stan (WB9RQR)

Norm Fusaro, W3IZ, shares his views on how clubs play an important role in Amateur Radio. Fusaro is Assistant Manager of the ARRL's Membership and Volunteer Programs Department. He is also the ARRL Affiliated Club/Mentor Program Supervisor.

I am very fortunate to be in a position at ARRL that allows me significant interaction with our members. It is very fulfilling to be able to put a smile on someone's face by helping them find a solution to their problem, regardless of the complexity. Sometimes it is not possible to be as helpful over the telephone or with e-mail, so I will try to direct the individual to a local club where they may be able to get some side-by-side coaching. The local radio club is without a doubt the place where most of us received our ham radio education. The club is where we learned the jargon and techno-speak used on the air and where we met folks to emulate and folks whom we swore we would never be like. Everything that we know about ham radio that didn't come from a book was probably learned at club meetings or late night Field Day chats over burnt coffee. Personally, I have made many longtime friendships from my involvement in local radio

clubs and I am sure many others can say this as well.

Clubs, by definition, are groups of like-minded people who share a common interest. In reality a club is an eclectic assembly of individuals, each with a unique perspective of their activity. The dynamic of a club is no different than that of a large family. Think of your last family get-together and then take a look at your radio club. If everybody was the same, life would be very boring. In every club, there is the usual cast of characters who add their distinctive flavors to the stew and make things interesting. It is diversity that makes a club work well. I have seen that no matter how varied the personalities are in a club, most of these personalities are also eager to help. Helping each other is characteristic of radio amateurs.

How often have you experienced something like this? Two hams will be in QSO -- perhaps discussing an antenna installation or radio repair -- when another radio operator will break in with a helpful suggestion. This situation may have happened to you, or you may have even been the breaking station. The same thing happens (or should happen) at club meetings. If you need help with something, the closest resource is your local club. On the surface, the club may appear to be dysfunctional, but once you are involved, you will find that it is actually very productive.

The Pareto principle, commonly known as the 80-20 rule is a simple expression that 80 percent of the effects come from 20 percent of the causes. As applied in the business world, this would be 80 percent of the sales are driven by 20 percent of the customers. In a club, the percentages may be slightly different, but the fact remains that a small percentage of the membership is responsible for making things happen.

This is not to suggest that 80 percent of the members do not participate, but without a "sparkplug," some things would never get started. These people are the doers. The doers don't take no for an answer and are always willing to take on more responsibility. But where is the fun in jump-starting a project without someone telling you it will never work? Of course, it would be much more fun without the negative

comments, but that goes against human nature. Ever since man tried to open a coconut with a rock, someone was right beside him offering a thousand excuses why it won't work: "You'll smash your thumb." "The rock will break." "You should invent a wheel and roll it over the coconut." "Let's just eat the bananas." The cynics of the world are an essential part of society -- and of our clubs. They challenge us and make us work harder to prove them wrong. Learn to accept these people but never let them distract you from moving forward.

You only get as much from a club as you put into it. A majority of the club bashers tend to be long time hams with a "been there, done that" attitude, asking what a club has to offer them for them. To borrow from President John F. Kennedy, "ask what you can do for your club." Of course, we took more than we had to offer when we were younger and inexperienced. But over the years, we have gathered knowledge that we can share with the newcomers. On the other hand, based upon my countless interactions with hams of all levels of experience, the novice also has much to offer the old-timer, even if it is just reliving the joy of discovery. The local radio club has something for everybody who is willing to get involved.

Editor's Comments

De Tom Ruhlmann (W9IPR)

I was very pleased when Tim Boppre (KA9EAK) submitted his article on the QRP paddle kit. It is this type of activity, the building of a kit etc. that typifies HAM's. HAM's typically are a curious lot investigating new things and activities and then sharing the result. It is the sharing of the result, in the form of an article for the other members to enjoy and from which to learn, that makes this newsletter a success. Do share your HAM passions with the group, in the form of a newsletter article and net participation, so that others will learn and not make the same mistakes.

Also, I may need an associate editor for the Feb., March and April 2010 editions of the newsletter. Call me if you can assist.

Minutes– Nov. 11th, 2009

De Chuck Curran (W9POU)

Opening of the Meeting:

Club President Bill Howe, KA9WRL called the meeting to order at 7:32 PM. The immediate topic brought up was a discussion on the changing of Nels Harvey's call, from WA9JOB to W9JOB, a call that recently became available. There seemed to be an almost even division amongst the members slightly more than half suggested W9JOB. Nels will now have to make his own decision!

Announcements:

Gary WI9M shared with the group that he had been on the recent QCWA cruise. The ship was equipped with one ICOM-7600 and an ICOM IC-7200, both beautiful radios. Gary stated that a dipole was put up and also a 40 meter vertical and many of the Hams on board greatly enjoyed using the equipment, and the great cruise. It was a recommended trip for next year.

Tom Ruhlmann, W9IPR, provided a report on a transformer repair he had worked on for his Hallicrafters SX-28

Ed Rate AA9W indicated that the Scholarship group will have a table at the Milwaukee Repeater Club Swapfest. This is on November 14th at the Elks Lodge at 5555 W. Good Hope Road in Milwaukee.

Program:

Our guest this evening was Brian Cieslak, K9WIS who presented an interesting program that provided information on the ARRL Logbook of the World software package. Many examples were shown on how the software can be used and many advantages that are available to all who use it.

Auction:

Items were auctioned off by Stan Kaplan WB9RQR and Jon Gilmore KB9RHZ.

Minutes:

The minutes as recorded by Chuck Curran W9POU, were listed in the newsletter. It was moved by Gary WI9M to accept the minutes as written, it was seconded by Kent Christiansen, N9WH. There was a 100% vote in favor of this.



Brian Cieslak (K9WIS) gave an informative presentation on Logbook of the World which was of interest to all the DXer's.

Treasurer's Report:

Nels Harvey, WA9JOB, went over the current state of the treasury. He provided detail on the repeater expenses and a payment to him to cover his costs during repair efforts. Dave Barrow, N9UNR, moved that the Treasurer's report be accepted, this was seconded by Tom Ruhlmann, W9IPR. There was a 100% vote in favor of this.

Repeater Report:

Bill Howe KA9WRL, described the completeness of the documentation created by Nels Harvey that explains all details associated with maintaining the repeater system. Nels had provided the folder and it was passed around for all to see at tonight's meeting. It is a very well thought out and prepared set of history and technical reference information.

Committee Reports:

Jamboree on the Air

Bill Howe KA9WRL, reviewed the J.O.T.A. with the Scouts. 32 scouts attended J.O.T.A. this year. Patches were obtained and presented to the participating Amateur Operators.

Post Everything Party

Bill Howe requested that Paul Schumacher KD9FM be contacted for the Post Everything Party activities.

Swapfests

Both the spring and fall Swapfests have people handling them and all is set at this time. As we get closer to the dates, more announcements and requests for help will be brought forward.

Corn Roast/Light House Event Discussion

Alternatives for the holding of the Corn Roast at the Port Washington Park site along with the Light House event were discussed, with a variety of alternatives being presented. At the end of the discussion, it was decided to vote on the Corn Roast moving to the Port Washington Park at the top of the cliff, and also hold the Light House event at the same time and date. Stan Kaplan WB9RQR made that motion; it was seconded by Tom Ruhlmann W9IPR. The Port Washington site won the vote with the Light House event being held on the same day. The radio equipment will be within walking distance of the Corn Roast area, with a separation of 100-200 yards being expected.

Old Business: None

New Business: None

Kent Christiansen N9WH moved to adjourn; this was seconded by Stan Kaplan, WB9RQR. All were in favor.

Attendance

Jon Gilmore KB9RHZ, Stan Kaplan WB9RQR, Ted Heilman, N9LLT, Kent Christiansen N9WH, Dave Barrow, N9UNR, Ed Rate, AA9W, Gary Sharbuno, WI9M, Jim Albrinck K9QLP, Nels Harvey, WA9JOB, Joe Holly, AA9HR, Todd Fast, N9DRY, Mark Fielkow, KB9PXE, Chuck Curran, W9POU, Ed Frac, AA9WW, Brian Cieslak K9WIS, Patrick Sullivan KC9LRK, Ron Yokes W9BCK, Paul Purgett KC9NHD, Ron Underwood KC9DKQ, Roger Zaun W9UVV, Joe Sturmberg KA9DFZ, Kate Holt KB0SIO, Dick Holt AB0VF, Mark Tellier AB9CD, John Ansay KC9GJD, Tom Ruhlmann W9IPR, Tim Boppre KA9EAK, Dominic Boppre W9KKX, Gary Sutcliffe W9XT, Ray Totzke W9KHH, Ken Boston W9GA, Bob Truscott W9LO, Bob Krubsack WQ9N, Bill Howe KA9WRL, Tom Murtaugh W9VBQ

AGENDA

Dec. 9, 2009

1. Call to order – Bill Howe (KA9WRL)
2. Introductions.
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
4. Program:
5. Fellowship Break
6. Auction.
7. Acceptance of Minutes as printed.
8. Treasurer's report – Nels (WA0JOB).
9. Repeater report – John (W9NRG)
10. Committee reports.
Scholarship Fund/Committee
Post Everything Party
11. OLD BUSINESS
12. NEW BUSINESS
13. 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, Dec. 9th

7:30 PM



The ORC News- letter



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Volume XXVIII

January, 2009

Number 1

From the President

De Mike Yugas (AB9ON)

I've greatly enjoyed serving as ORC president the past year, and look back with satisfaction at the activities we've been involved in:

AES Superfest
Post-Everything Party
Opportunity Days at Parkview School
Swapfest at Circle B
Field Day
Corn Roast
Lighthouse activation
Outdoor Swapfest at Fireman's Park
JOTA
Safety Days
... and a whole raft of fun, informative meetings

These events would not have been successful were it not for the participation of many ORC members. Thanks to all for making things happen.

With your help, I am confident that 2009 will be just as exciting. See you on the air!

Contesting

De Bob Truscott (W9LO)

I've been a bit careless about posting club members scores in recent contests. Most humble apologies to the contesters involved. Here's what's been reported:

ACRI QRP Test
WI9M 139 Qs-18 Mults.-score 17,514

ARRL 10 Meter Contest
W9XT 585 Qs-91 Mults-score 168,714

ARRL Nov. Sweepstakes CW
W9LO 829 Qs-79 Mults-score 130,982

ARRL 160 Meter Contest
W9LO (QRP) 203 Qs-42 Mults-score 17,458
W9KHH 106 Qs-79 Mults-score 8,904

I'm sure this is not representative of the contest activity within the club, and would like to include everyone's scores. Please send me your scores after each contest you work. I'll have a new e-mail address shortly, and will let you know what it is as soon as I make the change.

My choice for the contest of the month for January is The North American QSO Party (NAQP), CW on Jan. 10 and SSB on Jan 17. Both contests start at noon on Saturday, and run for 12 hours. You may operate 10 of the 12 hours. 160 thru 10 meters, work a station on each band. The exchange is your name and state. Rules at www.ncjweb.com/naqprules.php.

Here's one for the VHF gang. ARRL January VHF Sweepstakes. Starts at 1:00 PM on Jan 17.
6 Meters & up. Rules at www.arrl.org/contests.

The CQ WW 160 Meter Contest (CW) starts at 4:00 PM on Jan. 23. Rules at www.cq160.com.

Have fun contesting.

VHF & UHF

De Todd Sprinkmann (KC9BQA)

QST ... QST... I am issuing a VHF contesting challenge to all ORC members on the weekend of Jan 17-18th. You'll need to read the rules so please give this article a bit of your time.

I continue to host fun, activity nets twice each week. These are for anyone who wants to see how far their 2-meter station gets out. Try it, you might be pleasantly surprised.

Wed. night is SSB (USB mode) on 144.250, starting at 8:30pm. Thur. night is FM, 146.43, starting at 8:30pm. Anyone is welcome to listen along or check into either net. The purpose is to stir up activity on 2 meters.

There's a lot to talk about this month, and it's time sensitive, so let's get going. The ARRL Jan. VHF Sweepstakes is next weekend. Runs from 1pm on Sat. Jan 17th until 10pm Sun. Jan 18th. <http://www.arrl.org/contests/rules/2009/jan-vhf-ss.html>

For the first time ever, I am going to personally sponsor an award for ORC members who put forth a significant effort in this contest. I am appealing to ORC's team spirit here. IF (and only if) ORC gets at least 15 members to come out and play in this contest, and IF these 15 members obtain at least 20 contest contacts (each), then I will sponsor a plaque for the highest-scoring ORC member. Let me be blunt: This is bribery. ☺ I am raising the stakes to get some new ORC'ers involved in VHF/UHF contesting. But the plaque cannot be won unless there are 15 overall entries from ORC's membership. So you 2 meter types had best start talking this up amongst your buddies. 15 entries shouldn't be a huge obstacle. Looking thru the ORC roster, I already see 19 call signs that I have either worked in previous contests or heard from during the fun nets.

Also, I want this award to stir up newer VHF contesters. As such, W9GA, N9UUR, W9XT, W9KHH and N9FH are not eligible for an award, although their participation will definitely count toward the 15 entries.

Getting some contest experience Jan 17-18 will also prepare you for another fun VHF contest which will be held on Sun. Feb 8th. The MRAC FM simplex contest. http://www.w9rh.org/fm_simplex_contest.htm VHF/UHF contesting is far more laid-back than HF contesting. There's room on the bands for everyone, and you do not have to have a super station to participate. If you have at least 2 me-

ters and perhaps either 6 meters or 70 cm, you are well on your way. We can always use more contesters, so jump on board.

Also, in January, the propagation is not as good as it is during warmer months, so having lots of local contacts really helps keep things busier. There's not enough space here for me to properly do some contesting tutoring. But you know me, I will do everything I can to help anyone with any questions.

We'll accomplish this in 1 of 3 ways. 1) Email me direct at sprinkies@excel.net. 2) check into the 146.43 FM net Thur. at 8:30pm, and ask there. 3) best option is to start reading that ORC Yahoo email reflector. I will be doing a series of emails there that I will call Contesting School. It's not really that big of a deal, but I want everyone to feel comfortable before they get on the air next weekend.

Tips, Tails & Tools

When looking for a piece of spaghetti to insulate a component lead just strip it from an insulated wire in the junk box. Stripped insulation from a #14 will look fine with about anything. Also, you can use small gage shrink tube,

ORC Static

The Wisconsin Amateur Radio Club is hosting Technician and Extra Class Courses beginning in early February for six weeks. The classes will be held on Saturday mornings and each last 1.5 hours. Cost of the class is only the license manual. It is a great way to while away the winter months and be ready to take the test by the end of March. Interested persons should email or call Glenn Schulz, W9IQ at <mailto:W9IQ@arrl.net>W9IQ@arrl.net or 262-253-4833. We are also gauging interest in a General Class during that same time period. Contact Glenn if interested. The classes will be held in Menomonee Falls near Hwy 41/45.

Junk Box Products

De Tom Ruhlmann (W9IPR)

Why is it that we wait until we actually need something before we consider building or more often than not, buying it?

To me it seems more fun and productive at very low cost to look at the various “stuff” we have collected in our junk box and figure out what we can build from some of the “stuff” we have collected over the years. It’s really a challenge and it has two beneficial results – removes “stuff” from the junk box making room for new stuff while creating something useful for our station or test bench and we usually learn some theory or develop a skill in the process. For example, some of the items I have recently fabricated from junk box items include a meter calibrator, portable workbench, 6 meter squalo antenna, 12 VDC – 6 Amp load bank, UHF/.VHF antenna control switches, coax balun and a receiving antenna system currently under construction.

As another example, below is a 3 amp AC ammeter project assembled from all junk box parts and which I use to check receivers and small appliance’s power load.



Box – from a \$0.50 FS meter at auction
Meter – from a swapfest for \$1.00
Socket, breaker and cord – from an old metal power strip at auction for \$0.50
Pilot light & switch – unknown source

Total cost \$2.00

There you have it – a very useful item of test equipment for \$2.00 in junk box parts. The point is, if you use your junk box parts in a creative way, and keep it resupplied, you can have a

great time and develop useful products in the process.

To that end we are starting a Junk Box Products contest that will run through 2009. To participate, design and fabricate a product from junk box parts, limiting the total cost of any purchased components to \$25.00 and submit photo’s and construction details to the newsletter for publication.

The winner will be selected via a popular vote at the February meeting prior to the PEP. Incidentally, there was a swapfest at Waukesha on Jan. 3rd so I hope you replenished your junk box. Good luck – we look forward to your products and articles.

WWW.YOUR_CALL.COM

By Gary Sutcliffe, W9XT

For a number of years I have wanted to do my own personal web site. I wanted a site that I could showcase some of my ham radio projects. I already have a web site for my radio side business, Unified Microsystems (www.unifiedmicro.com), but wanted a separate site that I could do myself without worrying about screwing up my business site and losing a bunch of sales.

It turned out that making the site turned out to be a lot easier than I thought it would be. This article explains some of the steps I went through to set up www.w9xt.com.

The first step was to find a web site host. Since I already use QTH.COM (www.qth.com) as my business web host I checked with Scott, KA9FOX, about setting up another domain. I was pleasantly surprised to learn that even though I had the lowest cost plan at \$4.95 per month, I could have up to 3 domains. It was not going to cost me anything more to host my personal site!

The next step was to register the domain name. That allows viewers to just type in the URL like www.ozaukeeclub.org to get to the site. QTH.COM does those for \$9.95, so that was not going to break the bank either.

I used QTH.COM because Scott is a long time friend, a fellow ham, and has been hosting my site for many years. Certainly the price is right! There are alternatives though. Your ISP (Internet Service Provider) might offer free web hosting. There are other companies like GoDaddy that offer free or low cost hosting. Keep in mind that the free ones will usually put in their own advertising much like the free email accounts do. If you go with your ISP, your web site might have a URL like www.ur-isp.net/smith-family.

QTH.COM offers some other benefits. I could set up some special email addresses like gary@w9xt.com. I have not done that, but maybe someday I will.

Once you have your site, you need to start adding material to it. Web sites use something called HTML (Hyper Text Markup Language). HTML embeds formatting "tags" that tell your web browser how to present the page. A few lines of HTML from the club web site contain:

```
<html>
<head>
<title>Ozaukee Radio Club</title>
```

HTML is not real difficult but it is very tedious. I wanted to spend more time on content and less on coding. Most hosting sites offer web design software. You can also buy programs. I played around with SiteBuilder, the program provided by QTH.COM. I ran the on line demo to get the hang of it. I was not impressed with the documentation, but it is pretty easy to pick up. The techniques should look very familiar if you ever used Microsoft PowerPoint or a publishing program.

Essentially you start by selecting a template. This is just a design to make it look pretty. There are dozens of them and you can select the color theme you want. I'm not big on artsy pretty colors (hey, I'm an engineer!), but I found something simple I liked. You now have a main page but you need to put some material in.

Text goes into text boxes. You click on edit site and then click on an icon to create a text box. You can move it around and change the size. Then click on edit text and start typing or pasting

text from another source. For large amounts of text I find it better to use Word for editing and spell checking. Then I paste it into the text box. Once the text is in there you can change the fonts, colors, etc.

Pictures go in pretty much the same way. Create a picture box and the program lets you browse around your PC to find the one you want. Like text boxes, picture boxes can be dragged around the page and you can adjust the sizes. Picture boxes don't need to be just pictures. I also have some drawings on my site. You can also attach files that will be sent to the viewer. I am updating PowerPoint presentations I have made over the years and putting them on the site. Perhaps some club can use them as a basis for a program.

If you have more than one page, you will need a way for the user to navigate between them. You do this by creating links. These show up on web pages as blue underlined text you can click on. Select some text and then click on an icon that looks like a chain. The program lets you select any of the pages you have created. You can also enter external web sites. I have links to the ARRL, ORC, GMDXA and other radio clubs I belong to.

So far everything done this way will be "static pages." This means every time a viewer visits they will see the same thing until you change the page. If I wanted something like an Ohm's Law calculator, were the user enters voltage and resistance to calculate the current, I would need to program something in a "scripting language". QTH.COM supports JavaScript and PHP. I have not gotten very far on this, but will probably try PHP. It looks very similar to C, a computer language I have been programming in for many years.

Unfortunately most ham radio web pages consist of a picture of a guy sitting in front of his rig along with his age, the name of his dog and a bunch of his favorite links, most of which are broken. At the bottom is some text saying "Last updated April 18, 2002."

I hope my site does not become like that. So far I have some of the usual stuff like pictures of my

antennas, but the key part will be to include projects I have done, and other things that others might find interesting and may want to try themselves. I am not limiting it to ham radio but have material on other interests like gardening and tropical fish.

The site has been up for about a month now. I have a fair amount of material posted but have a lot more to add as time allows. I'm always experimenting with new stuff, so I expect it will continue to grow over the years.

Back in the early days of the World Wide Web it was difficult and time consuming to create a web site. High school kids who figured out how to do it were making \$150/hour. Like most things computer related, it becomes easier and less expensive as time goes by. Maybe now it is your time to start your own "callsign.com" web page!

WARAC Swapfest

The West Allis Radio Amateur Club again held a great swapfest at the Waukesha Convention Center.

Ed Rate (AA9W) had the wisdom to rent a table and on Friday we spent a couple of hours loading up the Yukon and his Buick – it was quite a load.



Ed (AA9W), Ken Boston (W9GA) and Tom Ruhlmann (W9IPR) are shown with a very satisfied look near the end of the swapfest after selling the bulk of what they brought.

After an accounting by Ed we had sold over \$800 of "good stuff" with the proceeds going to the scholarship fund. About the only other excitement was when Ed's bumper fell off his Buick on the way to Waukesha – oh well, we knew it was bound to happen sooner or later.

For Sale–Scholarship Fund

Seeberg SB-7 Juke Box Amplifier

Precise Power Lab Model 175

National HRO-50T

Regency Scanner

Allied Radio Model A-2515

Clegg Interceptor 6&2 mtrs

Heath Oscilloscope Model IO-21

Prices on request! 262-242-0376

73 Ed Rate (AA9W)

Upcoming Events

January

- 1st Straight Key Night
- 3rd WARAC Swapfest at Waukesha
- 3th-4th ARRL RTTY Roundup
- 4^h Kids Day
- 10th-11th North American CW QSO Party
- 14th Membership Meeting**
- 17th -18th NA QSO SSB Party
- 17th -18th ARRL January VHF Contest**
- 22nd OZARES**
- 24th-25th CQ WW 160 Meter Contest
- 31st WAB Top Band Contest

February

- 7th – 8th TEN TEN Intl. Phone QSO Party
- 8th North American Sprint – SSB Contest
- 9th School Club Roundup
- 11th Membership Meeting**

- 14th FISTS CW Winter Sprint
- 14th – 15th CQ World Wide RTTY WPX Contest
- 15th North American Sprint – CW Contest
- 21th – 22nd ARRL International CW DX Contest
- 21st – 22nd CQ 160 Mtr. SSB Contest
- 26th OZARES**
- 28rd North American QSO Party – RTTY

March

- 7th – 8th ARRL International Phone DX Contest

? Post Everything Party

Wisconsin QSO Party

- 11th Membership Meeting

26th OZARES

- 28th – 29th CQ World Wide DX SSB Contest

April

- 3rd & 4th AES Superfest

ORC Board Nominations

The nominating committee is comprised of:

Tom Ruhlmann – Chairman, Mike Yuhas and Stan Kaplan

The committee is nominating the following slate of officers for the 2009 Board of Directors. The election will be held at the ORC Annual Meeting (regular membership meeting) January 14, 2009.

President	-Bill	Howe,	KA9WRL
1st VP	-Tom	Nawrot,	AA9XK
2ndVP	-Doug	Burghardt,	N9KG
Secretary	-Charles	Curran,	WA9POU
Treasurer	-Nels	Harvey,	WA9JOB
Repeater VP	-John	Schrader,	
W9NRG			

Past President (automatic) - Mike Yuhas, AB9ON

Tom Ruhlmann (W9IPR) will be retiring from the board. Ed Rate (AA9W) is serving as the ORC Club Trustee which is a position appointed by the board.

At the January election, nominations can be accepted from the floor.

By Stan Kaplan (WB9RQR), Column Editor

Several big news items! Jon Gilmore, KB9RHZ, has stepped down as Ozaukee Emergency Coordinator to take the position of District Emergency Coordinator for Southeastern Wisconsin. In his place as Ozaukee EC is Mike Yuhas, AB9ON. Mike has been a member of OZARES for some time now and has just finished a stint as President of the ORC. Congrats to both, and welcome aboard, Mike. Both excellent people!

Gary Payne (N9VE) is the new Section (read that as state) Emergency Coordinator and RACES Chief Radio Officer. Thus, he heads up both ARES and RACES in Wisconsin. Bill Niemuth, KB9ENO, has stepped down after five years in the job, just as I did before him. Welcome to Gary! During the ARES/RACES HF Net on 28Dec, Gary noted that he aims to continue growing professionalism throughout our state organization through NIMS compliance, training during the SET and continued nurturing of relationships with Emergency Management at the state and local levels.

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights (4th Thursdays). Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the complete schedule on the web site for possible hams to trade dates with, and keep the net manager (WB9RQR) informed of confirmed trades. Guests are welcome after the OZARES check-ins are complete, *most especially ORC members!* By the way, if you see a difference between the schedule on the website and this column, this column will always be correct, since it reflects last minute changes and substitutions. Such changes and substitutions to the website version will be in bold print here if known at the time of printing.

- 08 Jan KC9BKA
- 15 Jan W9BTN

22 Jan	Meeting
29 Jan	KA9DDN
05 Feb	KC9FZK
12 Feb	WD9HOD
19 Feb	W9IPR
26 Feb	Meeting
05 Mar	W9KHH
12 Mar	N9NNE
19 Mar	WJ9O
26 Mar	Meeting

Board Minutes for Dec8, 2008

President Mike Yuhas, AB9ON, called the meeting to order at 7:05 PM.

Attendees: Mike, AB9ON; Nels, WA9JOB; Tom, W9IPR; Bill, KA9WRL; Ed, AA9W; Tom N., AA9XK (on phone); Tim, KA9EAK

Business:

Budget – Mike, AB9ON started the meeting with a discussion of the budge. Mike had sent out a preliminary draft of the budget well in advance of the meeting which was used as a basis for the discussion.

Tom, W9IPR asked that \$75 be added to the budget for the ARRL Spectrum Defense Fund. This was added to the misc. portion of the budget.

Nels, WA9JOB walked thru each budget category. He asked for a correction in the scholarship interest, some correction to PEP, repeaters, misc. and adjustments were made to various incomes to balance the budget.

Tom, W9IPR asked to add \$75 for the binding of newsletters.

Tom, W9IPR made a motion for the board to approve the budget as discussed. The motion was seconded by Nels, WA9JOB. The motion carried.

Mike will post the overall budget and provide copies at the meeting on Wednesday.

Awards – The awards history was reviewed in advance of the Post Everything Party.

Programs – Past meeting programs were reviewed.

Mike, AB9ON made a motion to adjourn, Ed, AA9W seconded the motion.

The meeting was adjourned at 8:45pm.

Minutes– Dec. 10th, 2008

De Tim Boppre (KA9EAK)

President Mike Yuhas, AB9ON, called the meeting to order at 7:30 PM. Attendees introduced themselves and responded to Mike's question of what was there most memorable contact. Responses included all sorts of interesting DX locations, a number of memorable phone patches, a contact with King Hussein, one contact with Scotland using 4W out of a CB converted to 10m, as well as a contact with Senator Berry Goldwater.

Announcements and bragging rights: None

Program: The program consisted of a wonderful presentation by Gus Gnorski. Gus regaled those assembled with a number of stories from his time in radio and TV, military and civilian. There was a nice question and answer session. I suspect that everyone could have listened to Gus speak for another hour or so.

Fellowship break: Dave, N9UNR ran the 50/50 which was won by Rich Labuda, KC9NZR.

Auction: Stan, WB9RQR, assisted by Ed, AA9W held the auction. Ed previewed a number of the items from the most recent donation that will be placed on eBay.

Approval of minutes: A motion was made by Stan, WB9RQR to approve the minutes of the last meeting. The motion was seconded by Gary, WI9M. The motion was carried.

Treasurer's report: Nels, WA9JOB, gave the treasurer's report. He reported that we have been using significantly less power with the solid state amp and this has been reflected in lower electrical bills. A motion was made by Dave, N9UNR to accept the treasurer's report as read (subject to audit.) Jim, K9QLP seconded the motion. The motion was carried.

Committee Reports

Repeater report:

Nels, WA9JOB, reported that the 97 system was working well. He cleaned up a problem regarding RF getting into the amplifiers power supply. The 220 repeater is having some mysterious problem

that Nels and Jim, K9QLP are working to sort out. The 440 repeater is working fine.

Old Business: None

New Business

Mike, AB9ON walked thru the entire budget. Some questions were posed regarding where to put the scholarship fund (how to account for it in operating expenses as opposed to separately.) It was agreed to move the 50/50 income from scholarship to general income and separate the scholarship funds from general funds.

Tom, W9IPR moved to accept the budget with the discussed changes. Stan, WB9RQR seconded the motion. The membership voted and the motion carried.

The next meeting is 14 January 2009.

Attendance: 35 attendees-32 members and 3 guests.

Mike AB9ON, Stan WB9RQR, Ed AA9W, Kent N9WH, Nels WA9JOB, Tom W9IPR, Mark AB9CD, Jim K9QLP, Tim KA9EAK, Bill KA9WRL, Kate KB0SIO, Ken W9GA, Nancy KC9FZK, Patrick KC9LRK, Gary W9XT, Ray W9KHH, Chuck WA9POU, Dick AB0VF, Dave N9UNR, Todd N9DRY, Mark KB9PXE, Terry KA9RFM, Gary WI9M, Goug N9KG, Mikko W9FIN, Tom W9VBQ, Dominic W9KKX, Rich KC9NZR, Jeff WB9PZD, Dale N9NNE, Mike WJ9O, Roger W9UVV, Mark N0OKS, Dave Alaimo

Jim, K9QLP made a motion to adjourn. The motion was seconded by Bill, KA9WRL. The meeting adjourned at 9:45pm.

Editors Note

This is the 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.

AGENDA

January 14, 2009

1. Call to order – Mike Yuhas (AB9ON)
 2. Introductions.
 3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 4. Program:
 5. Auction.
 6. Fellowship Break
 7. Acceptance of Minutes as printed.
 8. Treasurer's report – Nels (WA0JOB).
-
9. Repeater report – John (W9NRG)
 10. Committee reports.
Post Everything Party –
May Swapfest –
Scholarship Fund -
 11. OLD BUSINESS: None
 12. NEW BUSINESS:
A. Elections
B. Other
 13. 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, Jan. 14th

7:30 PM



The ORC News -

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

Volume XXVIII

February, 2009

Number 2

From the President

De Bill Howe II (KA9WRL)

This is going to be an exciting experience for me. As President of the LeFrog Amateur Radio Club and now the new President of the Ozaukee Radio Club, I'll be involved in more activities than ever over the next few years. It's a privilege to be working with so many dedicated and experienced hams from such interesting and diverse backgrounds.

The ORC is dedicated to serving our community, our country, and the world as well, experts, not amateurs, in the art of communication. We take pride in our ability to quickly set up working radio stations capable of communicating around the world with the minimum of power, equipment, and effort.

With that in mind, my focus for the future of this club will be in public service. I hope to expand on our efforts in the schools, in Scouting, and in the public eye in general. Serving the community through involvement in various parades, safety days, lighthouse events, and career days in the schools will benefit both our community and our club on many levels.

If you have any ideas on how we can further improve our image in the community and be more involved with improving ourselves as a club, please do not hesitate to contact me or any member of the Board of Directors.

Don't forget the "P.E.P." (Post Everything Party) on March 14th. Treat your XYL to a nice, catered dinner and exchange those gag gifts, cleverly wrapped with only the finest holiday paper. I know I've got some unusual Amateur Radio gear that's looking for a new home.

We'll gather at 5:30 at the Rose Harms American Legion Post 355, located at 1530 13th Avenue in Grafton (see the notice in this newsletter). There will be an open bar and the family style dinner is slated for 6:30. The cost is just \$20 per person.

Send your checks as soon as possible (we quickly need a head count for the caterer) to Nels Harvey, WA9JOB, 2104 West County Line Road, Mequon, Wisconsin 53092.

I hope everyone can make it. Who knows, you may be receiving an award!

73!

Bill Howe, KA9WRL
whowe@wi.rr.com
262.377.8591

The ORC officers elected for 2009 are (from the left) Tom Nawrot (AA9XK, First VP),



Chuck Curran (WA9POU, Secretary), Bill Howe (KA9WRL, President), John Schrader (W9NRG, Repeater VP), Nels Harvey (WA9JOB, Treasurer) and Doug Burghardt (N9KG, Second VP). Not shown is Mike Yuhas (AB9ON, Past President).

Contesting: The Wisconsin QSO Party

De Bob Truscott (W9LO)

The ORC Post Everything Party is March 14. It's always a great party and I hope to see many of you there, but the REAL party that ORC contesters have been waiting for starts about 12 hours later. It's the Wisconsin QSO Party on March 15 from 1:00 PM to 8:00 PM (CDST). ORC won the club competition decisively in 2007, but missed first place just as decisively in 08. The reason? Not enough logs. We only submitted 14 logs last year, while the winner had 27. So what's to do about that? To start with, we're expecting a maximum effort from the "usual suspects", the folks who begin operating when the starting bell rings and stick with it for the full 8 hours. But that's not enough. What we'd like to do is move more people closer to that category. If you worked 2 hours last year, try for 3 or 4 this year, etc., etc. And if you didn't operate at all last year, try it for a few hours this year. You don't have to be an experienced or skilled operator to do it. If we get enough people involved we just might recapture the plaque.

Having said these things, let me tell you of a plan we have been kicking around for a while which would heavily involve the V/UHF club members. I don't believe it's been tried before and it would be a big challenge to make it work, but if it does it would be very productive. It would require a minimum of 13 V/U operators who would like to become part of a group activity on party day. More than 13 ops would be a bonus. And you don't have to have V/U experience either. All you need is an HT. If you don't have one, borrow one. Let's get together for a short meeting to discuss it immediately following the ORC club meeting on Feb. 11 (at the meeting place, NOT at the bar around the corner).

Bob, W9LO

VHF & UHF

De Todd Sprinkmann (KC9BQA)

It really was a historic January ARRL VHF Sweepstakes in Southern WI, two weekends ago. ORC played a strong part in a larger turnout of several dozen new VHF contesters.

I personally heard ORC members KB9UKE, K9QLP, N9KG, KC9NZR, W9IPR, W9GA, KC9NHD, N9JIY, KA9EAK and KM4G. I probably have missed a few, and if so, I apologize.

There were similarly strong turnouts of new stations in the Sheboygan and Milwaukee areas, and the SW WI and La Crosse/Winona MN areas had at least two dozen new calls banging away. If you are unfamiliar with VHF contesting, to have this many new ops on at one time from one area is an amazing accomplishment. Congrats to all who came out and played.

Not only did the new contesters give it a try, some were downright enthusiastic. I heard plenty of new guys still CQ'ing on Sunday, right up 'til the closing bell. Also received many favorable comments via email and on the nets afterward, talking about how they really enjoyed the challenge and look forward to improving in future contests. The turnout surpassed my wildest hopes. Thanks again.

There is another VHF/UHF contesting opportunity next Sunday, Feb. 8th. This is strictly an FM contest, and it's a sprint format, so you need to read the rules. Here's the link to the MRAC FM Simplex contest:

http://www.w9rh.org/fm_simplex_contest.htm

Note that it kicks off right away from 1-2pm with 2 meter (only) activity. So you want to be on board at 1pm. I look forward to working a number of you again in the MRAC FM contest.

We continue to have weekly nets on 2 meters. These nets are personally hosted by me, and are for anyone interested in activity on either 2 meter SSB or FM simplex. They are very casual, stay as long or as little as you like. At 8:30pm on WED, we're on 144.250, USB mode. Horizontal polarization is the norm, but if you hear us on your vertical, feel free to check in and say hello. At 8:30pm on Thursday, we're on 146.43 FM, vertical polarization.

Finally, some of you may be wanting to get more involved in VHF/UHF. There is only one club in Wisconsin that caters to this niche, and it's the Badger Contesters. W9GA, N9UUR, N9VSV, W9XT, N9FH, W9KHH and myself all are BC'ers, and we're looking for new members. The website is at www.badgercontesters.org. Once there, be sure to click on the link at the bottom middle. This represents the 175-mile radius that is BC territory. We have members from all across this region, and we pool our talents and energy in the VHF/UHF contests.

The BC'ers is a low-key, low-stress group and there are no dues. If you'd like to join, please email Dave at k9dq@hotmail.com.

If you played in this month's contest, and you'd like your log to be submitted for credit to "Badger Contesters", we'd love to have you. I will personally help anyone who has questions about how to do this. It's something I enjoy, so it's no bother at all.

Hope to hear you on the nets, until next month, 73, Todd KC9BQA

For Sale (ORC Scholarship Fund)

KENWOOD TH-K2AT 2meter handi \$100
ICOM IC-2AT 2meter handi \$50
Antenna Tower (pictures available) \$80
Contact Ed Rate etrade@milwpc.com

New Members

Mark Fielkow (KB9PXE) is one of our newer members and holds an Extra class FCC license. Mark is a lifelong Milwaukee resident and graduated from his neighborhood Washington High School. While Mark was first licensed in 2003 he became originally interested through CB in the 70's. His "Elmer" has been Todd Fast (N9DRY) who then encouraged Mark to get his General in 2006 and his Extra the following year in 2007.



Mark Fielkow, KB9PXE

Currently you will find Mark on UHF/VHF using his FT8100 dual bander or either his VX-1 or FT-51 HT. His goal is to get on HF with an FT897D and an attic antenna. He already has the LM400 coax installed.

If you are a VW beetle fan Mark is a great source of mechanical information. He worked a day job as a VW engine mechanic for 15 years while he developed his sideline business as a locksmith.

Eventually Mark's locksmith business grew to the point where he had to give up his day job and take the plunge into the world of the self employed. Currently Mark specializes security systems, high security locks and as a special interest, antique locks which often requires that he fabricate new parts.

Mark, welcome to the Ozaukee Radio Club.

A Grounded Grid Linear Amplifier Project

De Chuck Curran (WA9POU)

Way back in 1969 I received 3 new 3-400Z and 3 new 4-400A Eimac tubes. I was in an Engineering Fraternity and a graduate from the fraternity went to work for Eimac, sending these samples to our fraternity house. When they arrived, I was the only Ham living at the fraternity and no one had any interest except me. The 3-400Z's were carted around with me since 1969, and in late 2006 I started a series of purchases to obtain the needed parts to complete this linear.

I created a set of goals or project milestones, and used that list as my guide. First on the construction list was the plate voltage power supply.



The “power pole” (an electric utility transformer) transformer shown removed from its original case and with the group of filter capacitors.

I had a 5 Kw pole transformer, still in the case and submerged in transformer oil, PCB free. This transformer was originally used on a 14,400 VAC distribution line, the most common in residential areas. It actually had two 7,200 VAC windings on its primary and two 120 VAC windings on the secondary. I started unwinding the 7,200 VAC primaries, layer by layer, until each 7,200 VAC winding produced 1950 VAC. They were then paralleled and I had a transformer that I would not hesitate to pull 1 amp at 3,000 VDC if needed. Ah, the tubes would go up in smoke at about 2200 watts input, so this test has never been performed! I use a full wave bridge rectifier, using eight 1N5408, 1000PIV @ 3 amp diodes in each of the four legs of the bridge.

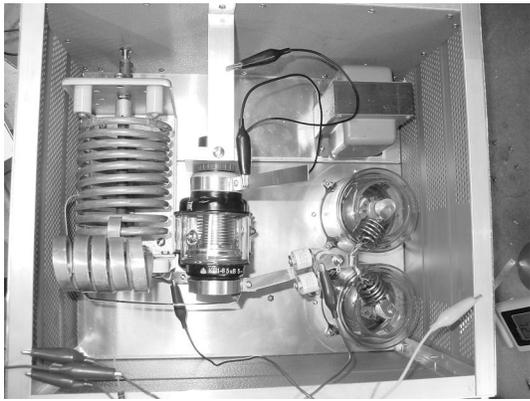


This is a top view of the power supply section constructed in a separate “base” box for the amplifier.

The plate supply was constructed with a 168 mfd electrolytic filter. It uses a series resistor in the transformer 240VAC primary to allow the voltage to build up slowly over about 5 seconds. Then a timing relay picks and the resistor is out of the circuit. I also installed a boost/buck transformer in the primary circuit, driven by an autotransformer. This allows a plate voltage range of 2600-3300 VDC. I run it at 2900 VDC.

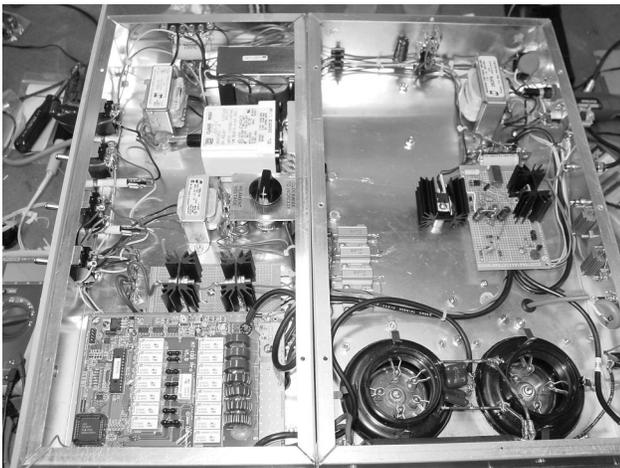


Shown is the basic amplifier panel and case prior to fabrication of the circuitry.



Shown here is the RF “cage” with its pair of 3-400Z tubes, filament transformer, vacuum variable capacitor and coil.

The RF deck uses a tuned input, with a LDG Electronics AT-100AMP input tuner. It provides a 1:1 SWR on the input, so I have no drive problems. The filament voltage circuit is built with an adjustable output, so I can provide exactly 5.0 VAC to the filaments of the two 3-400Z tubes used. Many commercial amps have been found with way out of spec filament voltage for the 3-400Z or the newer 3-500Z tubes. The result is a dramatic reduction in tube life. The Drake L-4B is the classic with a 5.7 VAC filament voltage. I felt this was an important item, so I made sure to provide an adjustment feature.



The chassis underside showing a truly professional job of layout, mounting and wiring.

The output side of the amp uses Russian vacuum variables for the tune and load caps, with a B&W 850 series tank coil with taps tweaked for

my specific plate load impedance. I use Jennings vacuum relays for antenna switching and an older National R-175A plate choke, bought new in the box. I also built an ALC circuit and have it ready to connect with one cable to the transceiver, but to date I simply have not gotten to it.



Awww! The warm glow of filaments on a cold winter night. A beautiful sight to behold.

Upon firing it up, I had some trouble with the available capacitance on the load capacitor for good efficiency. I had to add a door knob capacitor in the 80 meter band, but I eventually got to 63% efficiency in SSB, which is right on the money. I do have a switchable bias using zener diodes, one for SSB with 7 volts running AB₂, and a second in series for Class C in CW with a total of 27 volts bias.



I can drive the amp to 1300-1400 watts output, and the plate transformer never even gets warm.

A Letter From The ARRL **ARRL The national association for** **AMATEUR RADIO**

January 22, 2009

OZAUKEE RADIO CLUB, INC.
2104 W County Line Rd

Mequon, WI 53092-5616

Dear Friends,

On behalf of ARRL thank you so much for your generous contribution of \$75.00 received on 01/15/2009 to the 2009 Spectrum Defense Fund. Your contribution makes an important statement about your commitment to protecting our valuable radio frequencies.

As you know, defending and enhancing amateurs' access to the radio spectrum is the most important mission of the ARRL. As contributor to the Fund for the Defense of Amateur Radio Frequencies you are a key player on our spectrum defense team.

Together we have enjoyed many successes over the years. Despite exponential growth in the variety and number of radio frequency devices in the hands of consumers and businesses, we have managed to protect our bands and to add several new ones.

Our battle to give the Broadband of Power Lines problem the attention it deserves has been going on for six years. Last year the ARRL went to court to challenge the FCC. Guess what — we won!

The Court's decision was a tremendous victory for radio amateurs and other licensed users of the radio spectrum. Yet, we face another round of technical arguments. When the FCC reopens the BPL proceeding as the Court has ordered, we must leave no room for these technical issues to be settled on anything other than technical grounds. There's more work to do!

It is only through the support of thousands of ARRL members and friends that we have managed to come this far. Together we can celebrate all that we have accomplished on the BPL front!

The future will certainly hold challenges for Amateur Radio. As we remain vigilant and lay plans to work on your behalf to protect our frequencies both at home and abroad, I am grate-

ful that you stepped up and made a contribution to the Spectrum Defense Fund.

73, Mary M. Hobart, KIMMH, Chief Development Officer

Peace Corps Station

de Tom Nawrot - AA9XK

As many of you know, I was a Peace Corps Volunteer in the early 1970s in South America. This year marks the 48th anniversary of JFK's grand experiment. Every year in March, an ex-volunteer in Illinois runs a special event Peace Corps anniversary station. This year I'll be operating from my Wisconsin QTH as time permits on one of the bands. Give one of us a call. Here are the details:

Mar 1-Mar 4, 1600Z-2100Z, Arlington Heights, IL. Peace Corps Amateur Radio Club, KA9NLX. To honor Peace Corps volunteers, their service and sacrifice. 21.375 14.290 10.133 7.275. Certificate. John Paskevicz, 1423 North Ridge Ave, Arlington Heights, IL 60004. Dig MT63 on 10.133.65 and 2 m simplex in the Chicago area. jpaskev@aol.com

For Sale

Wavetek Model 2100 Communications Service Monitor, 400 KHz to 999.9999 MHz (Useable range from 100 KHz). New Battery installed, internal load, accessory kit, two carrying cases. I purchased this new in 1997. It has not seen any abuse and has not been used for over 5 years. I paid over \$4000.00 for it, and will consider any and all offers. It is still in like new condition. Pictures are available. Contact Dan Bolander, wb9tyt at cybrzn.com.

Upcoming Events

February

7th – 8th TEN TEN Intl. Phone QSO Party

8th North American Sprint – SSB Contest

9th School Club Roundup

11th **Membership Meeting**

14th FISTS CW Winter Sprint

14th – 15th CQ World Wide RTTY WPX Contest

15th North American Sprint – CW Contest

21th – 22nd ARRL International CW DX Contest

21st – 22nd CQ 160 Mtr. SSB Contest

26th OZARES
28rd North American QSO Party – RTTY

March

7th – 8th ARRL International Phone DX Contest

11th **Membership Meeting**

14th **Post Everything Party**

15th Hamfest – Jefferson, WI

15 – 16 **Wisconsin QSO Party**

26th OZARES

28th – 29th CQ World Wide DX SSB Contest

April

3rd – 4th **AES Superfest**

8th **Membership Meeting**

18th Madison Swapfest @ Stoughton

23rd OZARES

The



Column

By Stan Kaplan (WB9RQR), Column Editor

At the meeting of 22 Jan, our new EC, Mike (AB9ON) talked about his plans concerning the future direction of OZARES. He talked about new AEC appointments or renewal of old ones and training activities including Thursday nets, and the possibility of adding Winlink to the ECC and MCT. A future meeting night will be devoted to Winlink, including how it works and what it might do for OZARES capabilities. Ways of increasing membership was also mentioned. Following that, a discussion was held on frequency assignments to channels, and Mike and Skip will soon come up with a final scheme. When that is done, all of us will need to check our HTs and home and mobile rigs to ensure that they are properly programmed.

Gary Payne (N9VE), our new Section Emergency Coordinator, talked about training in Wisconsin on the ARES/RACES HF net of 25 Jan (8:00 a.m. each Sunday, should you wish to monitor or check in). He likened training to growth, and reflected that a person or organization must grow. If growth does not occur, stagnation sets in and that is a scenario leading to death. He urged all leadership positions in the state to be sure that they included a training

component in every activity, so that constant learning, growth and health will continue.

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights (4th Thursdays). Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the complete schedule on the web site for possible hams to trade dates with, and keep the net manager (WB9RQR) informed of confirmed trades. Guests are welcome after the OZARES check-ins are complete, *most especially ORC members!* By the way, if you see a difference between the schedule on the website and this column, this column will always be correct, since it reflects last minute changes and substitutions. Such changes and substitutions to the website version will be in bold print here if known at the time of printing.

05 Feb	KC9FZK
12 Feb	W9KHH
19 Feb	WJ9O
26 Feb	Meeting
05 Mar	AB9ON
12 Mar	N9PBY
19 Mar	KB9RHZ
26 Mar	Meeting
02 Apr	KA9PZG
09 Apr	W9IPR
15 Apr	Annual Severe WX Meeting
16 Apr	WI9GC
23 Apr	Meeting
30 Apr	K9GCF

Minutes– Jan. 14th, 2008

de Tim Boppre, KA9EAK

First Vice-President Bill Howe, KA9WRL, called the meeting to order at 7:33 PM. President Mike Yuhas, AB9ON was out sick. Attendees introduced themselves and responded to Bill's question of why they joined the ORC. Answers were typically in the area of meeting others with similar interests in order to learn and advance the hobby.

Announcements and bragging rights

Tom, W9IPR announced that he has his "new" Hallicrafters SX-28 working again. He re-capped the entire rig.

Nels, WA9JOB announced that Larry, WA9JMO had given him information on a QCWA cruise next fall. Those interested should contact Nels or Larry.

Jim, K9QLP announced that Ted, N9LLT has an ADI 220 handheld for sale. Those interested should contact Ted.

Tom, W9IPR showed his junk box ammeter project that was featured in the recent newsletter.

Program:

There wasn't any program in order to save the time for the 2009 elections.

Fellowship break:

Dave, N9UNR ran the 50/50.

Auction:

Stan, WB9RQR, assisted by Jon, KB9RHZ and Ed, AA9W held the auction.

Acceptance of minutes

A motion was made by Stan, WB9RQR to approve the minutes of the last meeting. The motion was seconded by Terry, KA9RFM. The motion was carried.

Treasurer's report

Nels, WA9JOB, gave the treasurer's report. Nels thanked Tom, W9IPR and Ed, AA9W for taking a bunch of equipment to the Hamfest in Waukesha. They sold \$800 worth of equipment for the club. A motion was made by Dave, N9UNR to accept the treasurer's report as read (subject to audit.) Jim, K9QLP seconded the motion. The motion was carried.

Committee Reports

Repeater report

John, W9NRG got called out to a fire.

Tom, AA9XK announced that the PEP date is 14 March. It will be held at Rose-Harms Legion hall in Grafton. Cocktails are at 5:30pm and dinner is at 6:30pm.

Tom, W9IPR announced that we have obtained ARRL approval for the May and September swapfests. Fliers are at AES and were distributed at the most recent swapfest in Waukesha. He also announced that articles for the Febru-

ary and March newsletters should be sent to Stan, WB9RQR.

Bill, KA9WRL made a suggestion to add email addresses to the published roster. Dave, N9UNR will send out a message to the club regarding inclusion of a members email address. If you wish to have your email address included simply respond in the affirmative to Dave's inquiry.

Old Business: None

New Business

The slate of candidates for 2009 were are follows: Bill Howe, KA9WRL – President, Tom Nawrot, AA9XK – 1st Vice-President, Doug Burghardt, N9KG – 2nd Vice-President, John Schrader, W9NRG – Repeater Vice-President, Nels Harvey, WA9JOB – Treasurer, Charles Curran, WA9POU – Secretary.

Dave, N9UNR made a motion to cast a unanimous vote for the entire slate. Stan, WB9RQR seconded the motion and the motion carried.

Stan, WB9RQR passed out the ballots for the Ham and Turkey awards that will be announced at the upcoming PEP party.

Ken, W9GA announced that Todd, KC9BQA was offering an award in the upcoming ARRL VHF contest and encouraged ORC participation.

Bill, KA9WRL announced that the program for the February meeting will be Larry, WA9JMO speaking about QCWA and that the March program will be Dr. George Steber speaking on spectral analysis.

Attendance: 27 attendees - 26 members, and one guest.

Stan WB9RQR, Ed AA9W, Kent N9WH, Nels WA9JOB, Tom W9IPR, Mark AB9CD, Jim K9QLP, Tim KA9EAK, Bill KA9WRL, Ken W9GA, Nancy KC9FZK, Patrick KC9LRK, Gary W9XT, Ray W9KHH, Chuck WA9POU, Dave N9UNR, Todd N9DRY, Mark KB9PXE, Terry KA9RFM, Doug N9KG, Tom W9VBQ, Dominic W9KKX, Jon KB9RHZ, John W9NRG, John W9FAD, Julia KB9WBQ, Ron W9BCK,

Kent, N9WH made a motion to adjourn. Stan, WB9RQR, seconded the motion. The meeting adjourned at 8:55 pm.

Post Everything Party

March 14, 2009

**American Legion Hall in
Grafton, WI
(Rose Harms Legion Post 355)
1540 13th Avenue Ave**

**Cocktails 5:30
Dinner 7:00**

*complete buffet dinner
recognition for spouses
presentation of annual awards*

\$20.00 per person

Don't forget to bring your usual gag gift
Of ham radio or computer "junque"

and a nice, but not expensive, gift for the ladies exchange too !

!!!!!! Reservations required by March 7th !!!!!

2009 ORC Post Everything Party Reservation Form

Callsign _____ Number attending ____ X \$20.00 = _____

Names of those attending _____

Make check out to **ORC** and send to:

**Nels Harvey - Treasurer
2104 W County Line Rd. Road
Mequon, WI 53092**

AGENDA

February 11, 2009

1. Call to order – Bill Howe (KA9WRL)
2. Introductions.
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
4. Program:
5. Fellowship Break
6. Auction.
7. Voting – Ham of 2008
Honorable Turkey of 2008
8. Acceptance of Minutes as printed.
9. Treasurer's report – Nels (WA0JOB).
10. Repeater report – John (W9NRG)
11. Committee reports.
Post Everything Party –
Spring Swapfest -
12. OLD BUSINESS
13. NEW BUSINESS:
14. 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, Feb. 11th

7:30 PM



The ORC News -

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

Volume XXVIII

March, 2009

Number 3

From the President

De Bill Howe II (KA9WRL)

Our Amateur Radio club is one of the best in Wisconsin, or at least that's what I'm hearing at the many Hamfests and other radio-related activities that I attend. Why is that?

I think one of the reasons is involvement. We have many members who actually contribute to the club's welfare by volunteering to help in many ways, whether it's by heading up a committee, being involved in a committee, assisting other hams by "Elmering", being responsible for raising funds for the club on EBay with donated equipment, taking on the added responsibility of leadership as an officer in the club, producing a Newsletter every month, running an auction, donating equipment for the auctions, and the list goes on!

All clubs have members with talents that could be shared. Some of them have had leadership responsibilities in their job; others were experts in manufacturing or have been on the creative end of designing or developing a product.

Amateur Radio clubs provide many benefits. Why don't their members give back to their clubs? Let me steal from President Kennedy ... Ask not what your radio club can do for you, ask what you can do for your radio club!

We have an excellent and extremely talented membership. I'm always amazed at every meeting with the personal contributions that each member gives, through their ideas and involvement with the club's meetings and activities. Let's keep it up. I think the ORC IS the best club in Wisconsin (and maybe, the Midwest)!

I Just Lost a Good Friend

By Nels Harvey, WA9JOB

I lost a good friend a few days ago. **Dave Knaus, N9QA**, is now SK. Dave came into my life back in the early 70's, when I became active on VHF, and met so many new friends. Dave had a great influence on my years as an Amateur Radio operator. After knowing him for a while, he invited me to a meeting. After some of Dave's encouragement, I agreed to be the new Wisconsin Frequency Coordinator!

It turned out that Dave was the secretary of the organization, and as a result, Dave and I traveled to the various meetings in Wisconsin. Dave and I also attended several meetings in Kansas City, and Sioux Falls, SD, meeting with adjacent states coordinators.

Frequency coordination needed calculations to help determine if a repeater could be placed in a location. I needed to upgrade, and purchased an XT computer. I had no idea how to use it, and Dave came over and set me up with a list of strange commands to be used. He helped me grow into the world of MSDOS!

Of course it didn't take long for the meetings to be moved to the Dayton Hamvention! Dave and I traveled to Dayton. It was my first, but Dave's second trip there. For several years, we made the trip together, and I can tell you stories of the problems getting hotels there, and dodging raindrops in the Flea market!

Dave liked to promote Amateur Radio where he could. He served as Webmaster for W.A.R. and Badger State Smoke Signals, and held Officer positions in the West Allis Radio Amateur Radio Club, as well as Repeater Vice-President in the Ozaukee Radio Club. Dave encouraged the ORC to begin the Scholarship program simi-

lar to the West Allis club. He had a way to get things done!

Dave caught a virus in the early nineties that severely damaged his heart! He was then placed on a transplant list and carried a special pager. Dave and Dan Bolander (WB9TYT) were visiting Field Day sites one summer, and the pager went off! Dan drove Dave from Fond du Lac, where they were visiting a site, to Madison, where he received the heart of someone who had died.

Dave went to Dayton with me a couple more times, and continued to enjoy the Wisconsin Coordination meetings, but the anti-rejection meds slowed him and took their toll on his entire body, but especially on his kidneys. He also became increasingly sensitive to infections, due to the medications, and had to be careful where he went in order to stay healthy.

It was sad to see a friend who I had shared so many long auto trips, meetings, Flea markets, situations and laughs, go down that slippery slope. No longer will I enjoy his boyish enthusiasm for new radios and things like packet radio and computers! He won't be there with me at the Waffle House in Dayton! He won't get one up over Sandy at the Saturday breakfast gatherings! He no longer will stop over just to visit Joyce and me!

I lost a good friend a few days ago!

Contesting

De Bob Truscott (W9LO)

See the UPCOMING EVENTS later in this issue for several important contests.

WIQP UPDATE. You may recall that I outlined a proposal to form a VHF/UHF group of mobile stations to operate during the Wisconsin QSO Party, coming up on March 15, in the last newsletter. At that time the intention was to assemble a team of 13 mobiles, and move them as a caravan through a number of counties, stopping only long enough to get the required number (12 per station) of contacts to qualify for the 500 point county bonus. Since that time the number of stations required has been reduced to 7 per team, thanks to a suggestion offered by W9GA. Ken pointed out that we could meet the bonus

requirements by operating on 2M plus 1 higher band. So that will be our goal, to form as many 2-band 7 station caravans as we can. It may be 2, or 3, or only 1, but it will be worth the effort, because we could probably make 25,000+ points per team. And the best part of all this is that folks who don't normally operate in the WIQP will generate these points. This could well be the shot in the arm that will allow us to recapture the club championship plaque. So how about it, people, how many teams can we form? Contact team captain N9UNR, Dave, at davidbarrow@wi.rr.com 262-375-2667, or me at my new address w9lo47@charter.net 262-629-9685.

See you all at the Post Everything Party on March 14.

Project of the Month

By Stan Kaplan, WB9RQR

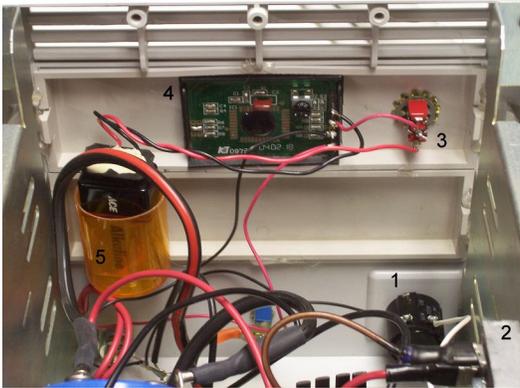
Tom (W9IPR) is always bugging us (actually a good thing) to show-and-tell with regard to new projects. I recently completed one during the December/January doldrums, and share it here with you.

As you know, I have lots of 12-volt power supplies, made from old computer power supplies, and frequently auction extras at our meetings. I don't need more 12-volt supplies! On the other hand, what about other voltages? It is not uncommon to need 5 or 6 or 9 or 15 volts for one project or another on the bench. So I decided to build a variable supply. Not a big one – just 1.5 amps or so, out of stuff in my junk box.

The picture below shows the front panel of the completed project (which I showed at the ORC meeting on 11Feb). Power switch, output terminals – all standard stuff. I used a LM317 three terminal voltage regulator, so the knob at the left is a ten-turn pot that will dial anything from 1.27 to 15.5 volts. Somewhat unusual is the digital readout, shown reading 9.02 VDC. It is an inexpensive (\$12) unit that requires its own 9-volt supply. Inside the case is a 9-volt battery for that purpose, and the front panel sports an on/off switch for the battery voltage.



Below is a view of the back of the front panel.



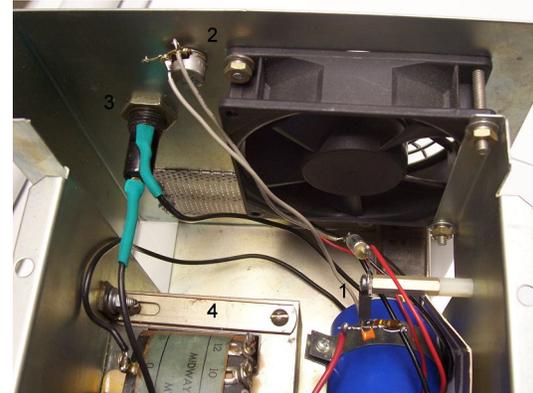
At 1 is the variable resistor for adjusting voltage. The bridge rectifier, bolted to the side panel, is at 2. The on/off switch for the battery is at 3, while the digital meter is at 4. An old pill bottle (thanks, Dave!) has been cut down to hold the battery at 5.



Above is a view looking down into the case. The junk box transformer is at 1, a heavy job with dual 10- and 12-volt taps, only one of which is used. The 12-volt tap supplies 17 volts

after rectification and filtering by the capacitor. The big, blue 21,000-microfarad, 40-volt filter capacitor is at 2, and the bridge rectifier is at 3. The LM317 regulator is at 4, buried in the heart of a finned heat sink. The electronics are not tied to the case – even the ground floats above the chassis.

The next view is of the back panel, inside the case. The filter capacitor is at 1, just in front of the fan. At 2 is another pot that controls the speed of the fan. I used another variable output 3-terminal regulator to do that, speeding up or slowing down the fan by altering the voltage. Another view of the transformer is at 4.



Finally, the back panel is shown next.



The fan, fan speed knob, fuse and the filtered AC input connector are all seen here.

Simple, but it works! That 10-turn pot on the front panel really makes fine voltage adjustments a snap. I am glad I opted for it, rather than a standard 1-turn model.

Anybody need some volts? I have plenty to share!

The Scrap Squalo

De Tom Ruhlmann (W9IPR)

I did manage to get a 6-meter beam in the air but then I realized that while it is quite directional there might be signals on the backside of the beam that I would not hear and would therefore miss a potential contact. This created the need for an omni-directional antenna for initial receiving and then if the received signal was weak, resorting to use of the beam in a known direction to complete the QSO. One good solution would be to use a 6-meter squalo but as you are aware, they cost upwards of \$60 and that deserves additional consideration.

Actually it all started in an RV park in Orlando where we were staying last February. I was walking the dog and there it was – right before my eyes in a pile of scrap aluminum – a discarded lawn lounge chair made of 1" tubular aluminum.



Would you believe that someone discarded this perfectly good potential antenna?

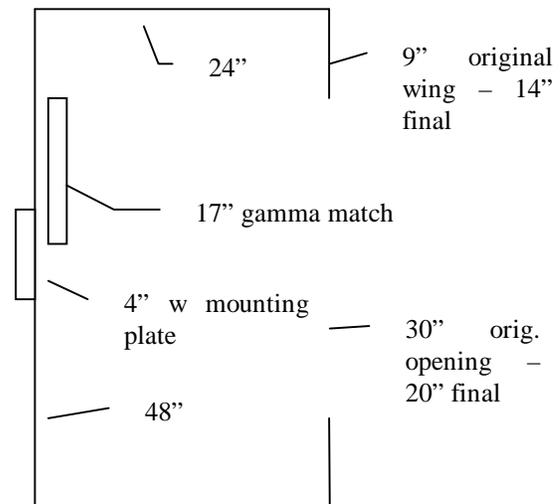
Once the fabric was stripped away and a few rivets were drilled out I had several pieces of pre-bent aluminum tubing with which to make a 6-meter "squalo" antenna.

A "squalo" is really a square halo made from tubing of approximately $\frac{1}{2}$ wavelength long bent into an approximate square. I had decided to

make it not as a dipole open and fed at the center but grounded to the mast at the center point (where the voltage is zero) and fed with a gamma match. There is an article in the January 2002 QST on a "lawn chair squalo" but it is of small dimension (94") and uses capacity plates at the open section for tuning. They were limited in size by use of a lawn chair where as I was using a lawn lounge chair of larger dimensions. I wanted to have greater bandwidth using a full size squalo. The actual dimensions would be affected by the diameter of the tubing and final shape of the "loop".

I wanted to trim to resonance at 50.5 MHz so I formed the original at 49 MHz length of 114" ($(468/49) \times 12$) expecting to trim it to approximately 112". Initially I created a rectangle approximately like figure 1. The 48" width was determined by the width of the lounge chair.

The pieces of tubing were spliced together by slicing out a $\frac{1}{4}$ " slot along a 3" length of scrap tubing allowing it to be squeezed to a smaller diameter and inserted into the two pieces of tubing to be joined. Each piece was then screwed to the splice.



My original dimension was a total length of 114" and I fabricated a gamma match of $\frac{3}{8}$ " tubing 17" long with a 14" piece of RG-8 coax (less the shield) inserted inside the tubing as the feed capacitor. Initially I attempted to tune the antenna length and gamma match using my MFJ "259" antenna analyzer while in the garage. Big

mistake due to the metal doors etc. and I ended up cutting the antenna shorter due to erratic readings.

Then I moved the setup outside and started to retune the length and gamma match. It made a significant difference and I had to add 6" to each end of the antenna making a total length of 124". It was interesting to note that by adjusting the length and the gamma match I was able to get an SWR of 1.2:1 or better from 50.0 to 51.3 MHz and less than 2.0:1 up to 53 MHz. I was pleased with that and mounted it on the tower.



Temporary setup in the back yard for squalo tuning. Duct tape is supporting the squalo in the horizontal position.

A gamma match is really an interesting feed technique. The capacity between the feed wire inserted inside the gamma tube and the tube cancels the inductive reactance of the antenna and the shorting bar between the tube and antenna is adjusted to find the 50-ohm impedance point. Closer to the center is lower impedance while moving the shorting bar further out is to a higher impedance area.



The Lawn Lounge Chair Squalo is shown hard mounted to the tower for horizontal polarization (SSB) with the opening toward the East.

You will note the squalo is mounted in the horizontal plane to provide horizontal polarization for optimum SSB operations but it could also have been mounted in the vertical plane for vertical polarization and optimum FM operations.

Also note that I tied the "wings" back with rope to support any ice loading and am feeding the gamma match with a 6-turn coax balun. The coax balun shield coil impedance "chokes" any RF returning down the outside of the coax.

Does this squalo work? Yes, and just as expected, it appears to be omni-directional as opposed to my beam and it has very low SWR.

You can get the details of building "squalo's" and gamma matches from the referenced QST article and by doing a search on the Internet. There really is a lot of information available. I really enjoyed the project, learned a lot and spent only my time. But then, I'm retired.

For Sale (Scholarship Fund)

Moseley Classic 33 Beam Antenna	\$125
Rohn 30 aluminum tower	\$75
Kenwood TS-440S transceiver w/matching tuner, speaker and power supply	\$500
Heathkit IT-27 transistor/diode tester	\$15
MFJ-249 SWR Analyzer 1.8-170mHz	\$75
Contact Ed AA9W etrade@milwpc.com	

Upcoming Events

March

7th – 8th **ARRL International Phone DX Contest**, rules at www.arrl.org/contests

11th **ORC meeting**

14th **Post Everything Party** with entertainment courtesy of Gary Clausing.

15th **North American RTTY Sprint**, rules at www.ncjweb.com

15th **Hamfest** – Jefferson, WI

15th **Wisconsin QSO Party**, rules at www.warac.org

26th **OZARES meeting**

28th – 29th **CQ World Wide DX SSB Contest**, rules at www.cqwp.com

April

3rd – 4th **AES Superfest** A “don’t miss” event. Word has it that as many as 40+ clubs will be present, as well as the usual vendors and outstanding presenters.

8th **ORC meeting**

15th **OZARES annual WX training**; 6:30pm. This is also a good chance for ORC members interested in severe WX to brush up on their skills. Important personally, as well as for public service.

18th **Madison Swapfest** at Stoughton

May

1st **Opportunity Day** at Parkview School

2nd **ORC Swapfest** at Circle B
10-10 CW QSO Party

3rd **Hamfest**, DeKalb, IL

16th **CQ National Fox Hunting Weekend**

13th **ORC meeting**

15th – 17th **Dayton Hamvention**

16th **National Fox Hunt Weekend**

28th **OZARES meeting**

30th – **31st CQ WW CW DX Contest**

Audit Committee Report

The audit committee met on February 25, 2009. The committee consisted of: Kent Christiansen, N9WH; Ed Rate, AA9W; Mike Yuhus AB9ON; and Vic Shier, KB9UKE. The review covered the activities from January 1, 2008 to December 31, 2008.

The club books and records were found to be well organized and in good order. The club currently has four bank accounts; a regular checking account, a money market/checking account, and two certificates of deposit. The balance of each of the accounts was verified to be the balance as reported in the December 31, 2008 treasurers report with one exception. Each account was verified to be registered in the name of the Ozaukee Radio Club.

The December treasurers report contained a discrepancy of \$4.18 that was corrected with the January treasurers report. The \$4.18 discrepancy was due to interest that was credited by the bank in December but was not reported by the bank until January.

The committee also selected certain transactions and traced those transactions to the bank statements. Some transactions were selected on a random basis and others were selected because they were significant in size or importance. All transactions appeared to be in good order.

The committee would like to make the following comments:

1. The signature cards for some of the accounts are not current and should be updated. The names of past club officers should be replaced with current club officers.
2. A discussion concerning potential improvements in control of the funds took place. The committee did not reach a consensus and does not have a recommendation. However, the risk level at this time is low because the Club Trustee currently receives duplicate financial

records on a monthly basis. The issues were as follows:

- Should the accounts require 2 signatures if the withdrawal exceeds a given dollar amount?
- Should the use of the debit card be discontinued?
- Should the authorized signatories change as the club officers change or should the Club Trustee be the second signatory, which may provide more consistency?

The committee wishes to thank Nels Harvey, WA9JOB, for his service as treasurer and to commend him for keeping a close eye on the club coffers. He recently discovered that the electric company had been inappropriately charging the club a sales tax. He has stopped the overcharge and the club will soon be receiving a refund of nearly \$100.00.

Submitted by: Vic Shier, KB9UKE, Committee Chairperson, 26Feb09

For Sale

Drake 2B Receiver with Manual, in good shape and it works great! It does NOT have the 2BQ Multiplier included, but doesn't need it for operation. Any 4-ohm speaker will work fine. There's a slight crack in the Meter face that has no effect on operation, and a bit of the lettering under the Passband Tuning knob is scratched. Asking \$90. Here's a picture of the receiver:



Contact Bill Howe, KA9WRL.

The



Column

By Stan Kaplan (WB9RQR), Column Editor

Our newest member is Brooks Hagenow, KC9IOL. Brooks holds a General ticket. He recently moved to Ozaukee County from She-

boygan, and is transferring from their ARES/RACES unit to ours.

The meeting of 26Feb started even before anyone arrived at the meeting site! EC Mike (AB9ON) organized a mobile practice emergency net for those on the road to the meeting, and most attendees were checked in and ready for emergency assignments before they actually arrived! At the meeting, discussions covered a variety of topics: 1. Training ideas for future meetings and nets. 2. Training for OZARES members that wish to become certified drivers for the MCT. 3. Hospital communications – both at SMO and the new Aurora unit being built now in the county.

Note that there will be no meeting in April other than our annual WX training, and that will be on Wed, 15 Apr, at 6:30 pm at the Justice Center. This is a great chance also for ORC members to brush up on WX skills, for personal safety as well as public service.

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights (4th Thursdays). Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the complete schedule on the web site for possible hams to trade dates with, and keep the net manager (WB9RQR) informed of confirmed trades. Guests are welcome after the OZARES check-ins are complete, most especially ORC members! By the way, if you see a difference between the schedule on the website and this column, this column will always be correct, since it reflects last minute changes and substitutions. Such changes and substitutions to the website version will be in bold print here if known at the time of printing.

05 Mar	N9PBY
12 Mar	W9KHH
19 Mar	KB9RHZ
26 Mar	Meeting
02 Apr	KA9PZG
09 Apr	W9IPR

15 Apr *Annual WX Meeting (Wed 6:30 p.m.); no other meeting this month
 16 Apr **N9WH**
 23 Apr **K9GCF**
 30 Apr **AA9GT**
 07 May **WI9GC**
 14 May WB9RQR
 21 May N9SFG
 28 May Meeting

*Annual weather spotting training; see this link for details:

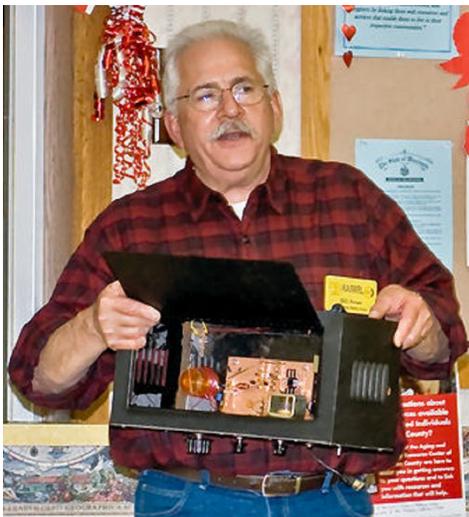
<http://www.crh.noaa.gov/mkx/?n=spotter-schedule>

Minutes– Feb. 11th, 2008

De Chuck Curran (WA9POU)

President Bill Howe KA9WRL opened the meeting at 7:31 PM. All attendee's introduced themselves at the start of the meeting. Everyone responded to Bill's question: "What do you collect?"

Announcements: Bob Truscott announced the upcoming Wisconsin QSO party and pointed out the increased interest in the VHF portion of the contest. It will be held on March 15, 2009 from 1:00 PM to 8:00 PM. A meeting of the people interested in the VHF aspect was arranged for immediately after the regular meeting. Bill Howe showed a newly completed regenerative receiver (below).



Stan, WB9RQR, showed a 1.2-15.5 VDC variable voltage DC supply recently finished. It used a nice digital readout. Stan got two bids for the DC supply during his demonstration!

Program: A nicely prepared and executed program was given on the QCWA activities and trips being held in Wisconsin. WA9JMO, Larry McCalvy (photo below) visited our club to make the presentation.



Lots of information was discussed on the branches in our area and pending trips, along with great pictures from past QCWA cruises that have had large turnouts. The new office is now in Framingham, MA. There is a scheduled cruise on October 24-31, 2009 in the Caribbean. The two local Chapters of the QCWA are Chapter 55 and Chapter 162

Fellowship Break: Dave N9UNR sold the 50/50 tickets (shown below).



Auction: Stan WB9RQR and Jon KB9RHZ conducted the auction. There was quite a bit of items available for auction. The volume required some innovative high speed auctioning techniques that cleared the material with ease.

Acceptance of Minutes: A motion was made by Ed Rate, AA9W to accept the meeting min-

utes as published in the newsletter. Dave N9UNR seconded the motion.

Treasurer's Report: Nels Harvey, WA9JOB, (seen below) presented the Treasurer's Report.



There was a motion to approve the report by Ken W9GA; seconded by Dave, N9UNR.

Repeater Report: John Schrader W9NRG gave a repeater report with a description of the current status of the equipment.

Post Everything Party: Tom Nawrot, AA9XK, provided an update on the planned Post Everything Party. It is scheduled for March 14, 2009 at the Rose-Harms Post in Grafton. The cash bar will open at 5:30 PM and the dinner will be served at 7:00 PM. Bill Howe offered to bring in an acquaintance to provide music during the evening. It was suggested we could give the person a free meal since his performance will be free. A motion was made and seconded to approve the suggestion.

Spring Circle B Swapfest: The pending May 2nd Swapfest and also the September 12th Swapfest were brought up and discussed by Tom, AA9XK. Some discussion was needed due to the September date being on the same day as the Grayslake Swapfest in Illinois. That point will be discussed further and reviewed at next month's meeting.

Financial Audit Committee: Vic Shier KB9UKE (shown below) informed the group of a pending financial audit of the club



records that will be performed. Additional members to help out were requested and Mike Yuhas AB9ON, Ed Rate AA9W and Ken Boston W9GA all volunteered to help.

Old Business: None

New Business: None

Nels Harvey announced the passing of Dave Knaus, and suggested that we consider naming the scholarship fund after Dave. Bill Howe will have the recommendation discussed at the next board meeting.

Stan Kaplan WB9RQR moved for adjournment, and there were about 12 seconds, one being Dave, N9UNR

Attendance was: Gary Sharbuno WI9M, John Gilmore KB9RHZ, Stan Kaplan WB9RQR, Todd Fast N9DRY, Mark Fielkow KB9PXE, Dave Barrow N9UNR, Ed Rate AA9W, Kent Christiansen N9WH, Larry McCalvy WA9JMO, Nels Harvey WA9JOB, Ted Spicuzza KB9PQZ, George Steber WB9LVI, Vic Shier KB9UKE, John Schrader W9NRG, Jim Albrinck K9QLP, Ron Yokes, W9BCK, Bob Truscott W9LO, Ed Frac AA9WW, Peter Schmidt KB9URH, Terry Kohler KA9RFM, Bob Frank N9NRK, Doug Burghardt N9KG, Paul Purgett KC9NHD, Roger Zaun W9UVV, Patrick Sullivan KC9LRK, Ken Boston W9GA, Tom Murtaugh W9VBQ, Florian Sturmberg KA9DFZ, Nancy Stecker KC9FZK, Mark Potash KC9GST, Gary Sutcliffe W9XT, Ray Totzke W9KHH, Mike Greenfield N9JIY, Chuck Curran W9POU Bill Howe KA9WRL, John Thielen WA9KNY, Mark Tellier AB9CD, Tom Nawrot AA9XK

AGENDA

March 11, 2009

1. Call to order – Bill Howe (KA9WRL)
2. Introductions.
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
4. Program:
5. Fellowship Break
6. Auction.
7. Acceptance of Minutes as printed.
8. Treasurer's report – Nels (WA9JOB).
9. Repeater report – John (W9NRG)
10. Committee reports.
Post Everything Party –
Spring Swapfest -
11. OLD BUSINESS
12. NEW BUSINESS:
13. 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, March 11th

7:30 PM



The ORC News -

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 -

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Web site: www.ozaukeeradioclub.org

Volume XXVIII

April, 2009

Number 4

From the President

De Bill Howe II (KA9WRL)

How many of us have a "Go Box"? No, I'm not talking about your cat's litter box; I'm talking about an emergency communications box, complete with an HF or VHF radio, mic or key, tuner or SWR bridge, portable antenna and a battery.

A lot of Hams just depend on their HT's for portable VHF operation, but what if the power goes down and the repeaters crash? Now you're depending on 5 watts, simplex . . . and in many cases that is not going to do the job.

Maybe it's just me, but I think all active Hams should have an HF Go Box. I have one that'll operate QRP CW on battery or shore power, but I plan on building one that'll transmit voice on 100 watts. I know Tom Ruhlmann, W9IPR has one. Maybe you do too, but it needs to be updated or outfitted with a new battery.

It doesn't have to be small and compact, although that would be desirable, just as long as it's somewhat portable, i.e.; perfectly able to be transported by one person without getting a hernia!

We do have disasters in Wisconsin, like floods, tornadoes, and, in rare cases, major power outages. The community really does depend on Amateur Radio for communications during these emergencies. It would be great if the ORC could count on more than one or two members to be "on call" when bad things happen.

At the April 8th meeting, the question of the month will be; "Do you have a Go Box or are planning on building one?" I hope we have

more than a few positive responses. In future meetings we'll have to show off some of these emergency commo devices!

Contesting

De Bob Truscott (W9LO)

The WIQP is history now, but the club's results are not. As has been the case for the past several years 40 meter skip was too long to be useful in working Wisconsin counties, but I found it easy to work states and some provinces for those multipliers. Eighty meters, on the other hand, was quite a bit better insofar as counties are concerned, but not good enough to make up for the 40meter shortcomings. On the positive side, the other clubs had to contend with the same band conditions so perhaps their scores will be down as well. Time will tell, but in spite of all the negatives I had a great time for 7 hours, and look forward to better conditions next year.

As for the club's history regarding this year's WIQP, it's yet to be written because I chose the wrong time to change ISPs. I suspect that some of the operator's responses went to my old address, and ended up in the H-net dead letter office, and others are trapped in my computer which is in the hospital at the West Bend MPC store for the upgrade necessary to make it compatible with my new in-house networking system. In the meantime I'm using Jean's computer and the missing 6 or so entries are not in it. Here's what we have so far, complete report next month:

W9LO	91,368
N9FH	52,380
WI9M	28,912
W9VBQ	19,688 (QRP)

WQ9N 4,140
196,488

Coming up in April:

April 9-19(?) Lighthouse Spring Lites QSO
Party Rules at www.arths.com

April 11-12 Georgia QSO Party
Rules at www.gqp.contesting.com

April 14 VHF Spring Sprints
Rules at www.sysadnet.com

April 22 HF Spring Sprints
Rules at www.sysadnet.com

April 25 Florida QSO Party
Rules at www.floridaqsoparty.org

I haven't kept up with the details of most of the state QSO parties, but I received a nice letter from a Georgia guy who worked the WIQP. As it turns out, that party runs for 30 hours and includes 160 meters, which makes it very interesting from my point of view. We often have a pipeline into Georgia from here on 40 & 80, and when you add 160 to the mix it becomes even more interesting. I'm going to give it a shot. And since K9GCF made a special trip to WI to work our party, it's only appropriate that we should return the courtesy and support the Florida party.

Have fun contesting.

VHF & UHF Corner

De Todd Sprinkmann (KC9BQA)

There are numerous VHF/UHF activities to mention this month.

ORC members W9GA Ken and I will be in attendance at AES Superfest both this Friday and Saturday, April 3rd and 4th. We will be manning a table on behalf of Wisconsin's only All VHF/UHF radio club, the Badger Contesters. (www.badgercontesters.org) So if you come to Superfest, make sure to stop by and say hello.

It is also very likely that Ken and/or I will be doing an in-depth presentation on our specialty, VHF/UHF

"weak-signal" work, and VHF/UHF contesting at the ORC Swapfest on May 2nd. I will share more info about that with the ORC Yahoo email reflector when we know more.

A 2 meter sprint will be held on the evening of Monday, April 6th, from 7-11pm. This is the Spring Sprint and in the Midwest, we especially like to support it because the host is John Kalenowsky, K9JK. VHF/UHF'ers know John as a dedicated rover who goes mobile in contests and activates different grid squares for everyone's operating enjoyment.

So get on for the 2 meter sprint. Just like so many of you in ORC and all across SE WI did for the ARRL January VHF Sweepstakes. SSB and horizontal polarization preferred near 144.200 MHz, but also FM mode on 146.55, 146.565 or 146.58 MHz. Get on the air with what you have and make some contacts. If you're new to VHF contesting, a sprint is a perfect time for a low-key, low-stress introduction to what's going on. The link for the sprint rules is at: <http://www.sysadnet.com/vhfsprintrules.htm>

The on-air activity continues with the SSB and FM simplex nets I personally host each week. SSB is on 144.250, USB mode, and I start up at 8:30pm every Wed. night. Thur. night is FM night, and that's at 8:30pm, on 146.43. All ORC members are welcome to say hello or simply listen in. The nets are very low-key; the only purpose is to create activity on lesser-used portions of the 2 meter band. You may stay as long or as little as you like.

Because of the popularity of the nets (at least 200 unique check-ins since I started things up in July/August of 2008), I'm moving forward on getting my own website. In fact, just today, I registered a domain name and purchased a year's worth of hosting via www.qth.com. Gary, W9XT wrote an article for the ORC newsletter about this process back in January.

Now I know next to nothing about websites, other than how to click on one. So this is going to be an interesting experience! But my hope is that soon, I will learn how to post at least basic content (via the WordPress format) to www.kc9bqa.com. A few of you have even been brave enough to ask me for website advice. My advice is that you're asking the wrong guy! In fact, I've got a good headache just from thinking about the whole learning curve. I trust I'll get up to speed in time.

The several dozen of you who follow my posts via the ORC Yahoo remailer will still get updates, but they will be far shorter. Over time, I will try to make

www.kc9bqa.com the megaphone thru which I promote increased activity on VHF/UHF thru the whole Midwest. This change has very little to do with the recent discussion on Yahoo; I have known for some time I'd need a website.

Hope to see many of you at Superfest.

Post Everything Party

Again the Post Everything Party was a great time. Attendance seemed to be down a bit but enthusiasm was high none the less.

Among the awards voted by the membership and presented were the 2008 Turkey award presented to President Bill Howe, KA9WRL and the HAM of the Year award presented to Nels Harvey, WA9JOB.



Nels Harvey, WA9JOB, is shown here accepting the ORC HAM of 2008 award at the PEP party. The HAM award is a traveling trophy

presented to the ORC member elected by a secret ballot of the membership.

The Board also presented the ORC Club Service Award to Nels Harvey for his years of effort at repeater maintenance and as an officer of the club.



President Bill Howe, KA9WRL, is shown here accepting the ORC Turkey of 2008 award from Past President Mike Yuhas, AB9ON. The Turkey award is a "good guy" award and is determined by a secret ballot of the general membership.

There were several other awards to be presented on behalf of the Board but the recipients were not in attendance to receive them so they will be presented at an upcoming meeting.



Naturally one of the highlights of the evening was the “clean out the shack” mystery gift exchange. The “gifts” ranged from antenna manuals and yoke testers to disk drives and a talking trophy fish.



Entertainment was really excellent as provided by Gary Clausing on the keyboard and President Bill Howe on the banjo.

Hamcation 2009

De Tom Ruhlmann, W9IPR

We were in Lakeland FL at the time of the Orlando Hamcation swapfest etc. and again, we just couldn't miss it. I went with a couple of guys from the Sun-n-Fun fly-in event where we were volunteering and really had a good time. While there we did see Leon (K9GCF) and a few others from the HAM world. The crowd didn't seem as large nor did there seem to be as many outside vendors as in the past however, it was still a good time.

I went on both Friday and Saturday and try as I might I didn't really find much that I just had to have. I think much of the good stuff is going on e-Bay now at higher prices than customary at hamfests.



There was a crowd of about 100 awaiting the opening of the gate on Friday at noon.



The outdoor flea market is where I tended to spend my time. Although I didn't buy much I did get a few ideas for junk box projects.

Finally I did buy an HP 400EL AC voltmeter although I am not sure why - but it's a nice one. Here's looking forward to Hamcation 2010.



There was one very large indoor facility dedicated strictly to “amateur” swapmeet sales and swapping. It really was quite impressive with a number of club and special interest tables.



There were two large indoor facilities dedicated to commercial vendors and AES was there in full force since they have an Orlando store. Also note that Tom, the sales manager from the Milwaukee store was there.

ORC Swapfest @ Circle B

De Tom Ruhlmann, W9IPR

It's about upon us again – the annual spring ORC Swapfest. It will be May 2nd again at Circle B recreation center. We will be having a committee meeting on Monday, April 6th at W9IPR's home at 7PM if you would like to come. So far we have 17 members committed to help so if you would like to volunteer, give me a call.

We will be having about 5 tables for the scholarship fund items and another as the ORC consignment table. If you have some items to sell but cannot justify a table then bring it to the ORC consignment table and sell it with a 10% commission to the club operating fund.

Project of the Month

De: Tom Ruhlmann (W9IPR)



The mobile base for the obsolete Weber gas grill was converted to an excellent mobile workbench. It could also be used as a station work position for field day. Waste not, want not.

Tips, Tails & Tools

Looking for a specific transformer for the speaker in an antique radio? Look for the transformer used with PA systems. They have multiple impedance primary and speaker output windings. I needed a 5000 or 500 ohm primary to 8 ohm secondary transformer and the PA system universal transformer I found at the Orlando swapfest worked perfectly.

Tom, W9IPR

Junk Box Product

De Tom Ruhlmann, W9IPR

There has been no project submitted this month as a product of a personal “junk box”. Now it has occurred to me that there may be a number of Newbie's that are not familiar with a legitimate “junk box” in the typical HAM shack. To

that end, familiarizing the Newbie with how to build a junk box, I am providing the following examples. As you will note, the junk box need not actually be a box but its nature is readily identified.



Here is shown the Stage 1 junk box. Note that in this case it is not a box but plastic bins and they are not filled with junk but yet to be disassembled good stuff that was either very inexpensive, free or not working.

be sorted into types of items as shown here for panel meters.



Another category may be variable capacitors and inductors with a few related items mixed in to best utilize shelf space.



This is an example of the "metals junk box". It is filled with scrap sheets of aluminum etc. and cabinets/box's and brackets and shields from disassembled good stuff. These materials can always be used to make new panels, shields and enclosures for new projects.



As the shack matures you may find that there is sufficient stock for a "junk box" that it can



You will note here that “junk box” destined items may initially be intermixed with really good stuff on commercial shelving.

There are only a few guidelines to building an inventory of “junk box” items that you can be proud of.

First – don’t throw things away. Disassemble them to salvage and keep the useful components.

Second – accept all free stuff.

Third – attend all swapfests within 75 miles.

Fourth – buy everything at swapfests that is less than \$1.00

Fifth – don’t be too proud to dumpster dive at the end of a swapfest.

Sixth – always offer to help fellow HAM’s clean out their basement.

Attend all ORC meetings and bid fifty cents on all items auctioned.

That’s about it. Now that you know how to build a “junk box” inventory I will expect to see some of the products of that effort here in the newsletter.

For Sale, Trade or ?

SCHOLARSHIP FUND ITEMS FOR SALE (partial list)

HEATHKIT Frequency Counter IM 4110	\$ 20
LEADER Oscilloscope LBO-502	\$ 40
B&W Dummy Load/Wattmeter model 374	\$ 25
ALPHA DELTA -2 Antenna Coax Switch	\$ 25
QRP Transmitter in Altoids Tin Box	\$ 15
ICOM Communications Receiver Model IC-R7000	\$325
Powered Pair of Speakers	\$ 5
WHITE ROCK Paddle Key Model MK-44	\$ 15
KILL-A-WATT Wattage Monitor Model P4400	\$ 15
WELLER Soldering Station Model TC202	\$ 15
KAY Attenuator Model 30-0 Model 432D	\$ 30
ICOM FM Handi Model IC-T7A	\$100
ICOM FM Handi Model IC-T81A	\$100
UNIDEN BEAR CAT TRUNK TRACKER II 300	\$ 50
TECTRONICS 2235 Oscilloscope	\$150
MFJ Intellituner Antenna Tuner Model MFJ993	\$135
ASTRON Power Supply Model ss-30M	\$ 35
DRAKE Low Pass Filter	\$ 35
DRAKE Wattmeter Model W-4	\$ 60
J-38 Key	\$ 35
ICOM IC706 MK II Transceiver	\$575
VIBROPLEX Bug Key Model Original Deluxe	\$175
BIRD ThruLine Wattmeter w/Slugs, case	\$425
KENWOOD Antenna Autotuner Model AT-50	\$125
KENWOOD 220mc FM Transceiver TM-321A	\$125
ICOM UHF Handi IC-04AT	\$ 25
MFJ 6 Meter Tuner Model MFJ-906	\$ 60
MFJ Sound Card Interface Model MFJ-1279M	\$ 35
ICOM Handi Charger Model BC-35	\$ 15
ICOM Handi Charger Model CM-30	\$ 20
MFJ Noise Bridge Model MFJ-202B	\$ 36
HEATHKIT Impedance Meter Model AM-1	\$ 13
HEATHKIT Most Accurate Clock Model GC-1000	\$ 5
HALLICRAFTER Receiver Model S-38	\$ 35
LARSEN Antenna Mount Model NMO-150	\$ 3
HEATHKIT Smart Outlet Model GD-1295	\$ 15
Panel Meter	\$ 5
FLUKE Multimeter Model 8020B	\$ 15
SHURE Carbon Microphone Model 104A	\$ 20
SHURE Reluctance Microphone Model 488B	\$ 35
ICOM Dynamic Microphone IC-HM10	\$ 20
ELECTROVOICE Dynamic Microphone Model 664	\$ 45

Contact Ed Rate: etrade@milwpc.com to view items!

Upcoming Events

April

1st Board Meeting

3rd 4th AES Superfest

6th Swapfest Committee Meeting

8th Membership Meeting

18th Madison Swapfest @ Stoughton

23rd OZARES

May

1st Opportunity Day @ Parkview School

2nd ORC Swapfest at Circle B
3rd Hamfest – DeKalb, IL
13th Membership Meeting
 15th – 17th Dayton Hamvention
 16th CQ National Fox Hunt Weekend
 28th OZARES
 30th – 31st CQ WW CW DX Contest
June
 6th TREK 100
 7th Hamfest – Princeton, IL
10th Membership Meeting
 13th – 14th ARRL VHF QSO Party
 21st 6 Meter Club of Chi Swapfest @ DuPage
 Fairgrounds in Wheaton IL
27th -29th Field Day

The



Column

By Stan Kaplan (WB9RQR), Column Editor

During the ARES/RACES HF Net of Sun, 8Mar, SEC Gary Payne (N9VE) reported that he recently met with the Johnnie Smith, Administrator of Wisconsin Emergency Management. During that meeting, Smith promised to write WI ARES/RACES into more of the WEM exercises. And during the 22Mar net, Gary mentioned that plans are underway for a GLOBAL SIMULATED EMERGENCY TEST. Yep, that means worldwide! When it comes, each section (in WI that means the entire state) will have up to two stations participating, and each must be associated with an EOC (Emergency Operations Center, such as we have in the Justice Center in our county). Watch for future info.

At the 26 Mar OZARES meeting, another new member, Wil Parzyszek (K9WIL) was present. Two other guests were present, Al (N9RXD) and a non-ham, as representatives of Miller Ride for the Arts (7Jun). Several OZARES members signed up to help. We also discussed the recent WX Net Liaison with Sullivan WX, and EC Mike Yuhas announced our Thu night nets would be devoted to WX net practice for the next several weeks, in preparation for the upcoming severe WX season.

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights (4th Thursdays). Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the complete schedule on the web site for possible hams to trade dates with, and keep the net manager (WB9RQR) informed of confirmed trades. Guests are welcome after the OZARES check-ins are complete, *most especially ORC members!* By the way, if you see a difference between the schedule on the website and this column, this column will always be correct, since it reflects last minute changes and substitutions. Such changes and substitutions to the website version will be in bold print here if known at the time of printing.

02 Apr	KA9PZG
09 Apr	W9IPR
15 Apr	*Annual WX Meeting (Wed 6:30 p.m.); no other meeting this month
16 Apr	no net
23 Apr	N9WH
30 Apr	KB9RHZ
07 May	AA9GT
14 May	WB9RQR
21 May	N9SFG28 May Meeting
04 Jun	N9SQA
11 Jun	KB9VJP
18 Jun	AA9W
25 Jun	Field Day Weekend, no net or meeting.

*Annual weather spotting training; see this link for details:

<http://www.crh.noaa.gov/mkx/?n=spotter-schedule>

Minutes– March 11th, 2009

De Chuck Curran (W9POU)

President Bill Howe opened the meeting at 7:30 PM. Everyone present introduced themselves and also responded to the question of the month, “What ideas do you have for meeting programs/presentations? A variety of suggestions were made and recorded by Bill Howe.

Announcements: Jane Rediske, KB9SYI is having spinal surgery.

Program: George Steber, WB9LVI presented a very well thought out program on an "Experimenter's RF Spectrum Analyzer. George presented enough detail so the unit he built could be constructed by anyone present at the presentation. A nice PowerPoint presentation was used to share with the group the results of the project and to also show the capabilities of the finished unit. The key part is available on eBay for \$50.00! It is a USB DDS generator that comes complete with all required software. It is made by a company called Softmark located in Australia. The entire Spectrum Analyzer assembly will cost less than \$100.00. Anyone interested can review the October issue of QST, where an entire article was printed on the project.

Fellowship Break: Dave, N9UNR sold the 50/50 tickets.

Auction: A very large conglomeration of goodies was auctioned off at very reasonable prices. Microscopes, video cameras, new, in the bag resistors, IC's, Simpson 260 VOM's, and computer cases with power supplies were cleared during the evening's auction.

Acceptance of Minutes from the last meeting: A motion to accept the minutes as written was made by Dave Barrow N9UNR and was seconded by Doug Burghardt N9KG. Motion passed.

Treasurer's Report: Stan Kaplan WB9RQR motioned to accept the report; it was seconded by Dave N9UNR. Motion passed.

Repeater Report: Nels Harvey WA9JOB gave the repeater report and we found out that the door to the repeater room in the barn has become jammed. The repeater is still working and has no issues, but the door will need some work.

Post Everything Party Update: Tom Nawrot reported via e-mail that Patrice's Grill has been selected to provide the food. Questions and suggestions were made on appropriate table decorations. Nels Harvey WA9JOB explained the details of bringing good items for the exchange. Ladies should bring a gift too, something less than \$10.00. Cindy Douglas KA9PZG will try to put something together for us. Awards will

be passed out. More than 40 people are expected to attend at this time, with tickets still selling.

May Swapfest: There was a question raised on the status of the pending swapfest. No report was provided.

Radio Demonstrations: Bill Howe, KA9WRL, shared with the group some information on planned Amateur Radio demonstrations at local schools and also at this summer's EAA convention. See Bill for more information

Wisconsin QSO Party: Dave Barrow N9UNR reviewed a planned mobile excursion during Sunday's Wisconsin WQSO party. The plan was to develop interest among 5-8 people to go county to county and help generate a large number of contacts for the club effort. Little interest was demonstrated so the event was in jeopardy.

Dave Knaus: Dave Knaus N9QA passed away and Nels Harvey WA9JOB, shared with the group some of the significant contributions made by both Dave and his family to the Ozaukee Radio Club's scholarship fund. Many things from Dave will be auctioned at both the May Swapfest and at the Dayton Hamvention. Nels moved to name the scholarship fund after Dave Knaus. It was seconded by Jim Albrinck K9QLP. Dave Barrow N9UNR moved to table the motion and it was seconded by Stan Kaplan, WB9RQR. President Bill Howe KA9WRL indicated they would like to discuss this at the club board meeting prior to any further action taking place.

New Business: No new business was brought up. Kent Christiansen, N9WH, moved to adjourn; the motion was seconded by Dave Barrow, N9UNR. Motion was passed.

March Meeting Attendance: Stan Kaplan WB9RQR, Jon Gilmore KB9RHZ, Kent Christiansen N9WH, Dave Barrow N9UNR, Jim Albrinck K9QLP, Nels Harvey WA9JOB, Ted Spicuzza KB9PQZ, Roger Zaun W9UVV, Joe Sturmberg KA9DFZ, Milan Mursec N9UJU, Bob Krubsack WQ9N, George Steber WB9LVI, Ron Yokes W9BCK, Bob Truscott W9LO, Hector, Gary Sutcliff W9XT, Mike Yuhas AB9ON, Cindy Douglas KA9PZG, Nancy Stecker KC9FZK, Paul Purcett KC9NHD, Mark Potash KC9GST, Naomi Potash

KC9GSS, Doug Burghardt N9KG, Chuck Curran
W9POU, Bill Howe, KA9WRL, Tom Murtaugh W9VBQ.

AGENDA

April 8, 2009

1. Call to order – Bill Howe (KA9WRL)
2. Introductions.
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
4. Program:
5. Fellowship Break
6. Auction.
7. Acceptance of Minutes as printed.
8. Treasurer's report – Nels (WA0JOB).
9. Repeater report – John (W9NRG)
10. Committee reports.
Post Everything Party –
May Spring Swapfest -
Scholarship -
11. OLD BUSINESS
12. NEW BUSINESS
13. 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

7:30 PM



The ORC News -

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

Volume XXVIII

May, 2009

Number 5

From the President

De Bill Howe II (KA9WRL)

The Dayton Hamvention always falls in the middle of May and I will be going again this year. Unfortunately, or fortunately, depending how you look at it, I won't be your typical Ham shopping for bargains for two or three days. For several years now I've been working for Tower Electronics at the Hamvention and we really don't get much "walk around" time!

I will see several ORC members at the event, however, but it will be from behind the bins of adapters and connectors in one of Tower's two locations, inside or outside.

Sure, our travel expenses, meals and lodging are taken care of, but it is a lot of work, being an official vendor. We arrive Wednesday around Noon and start our set-up early Thursday morning, after a good night's sleep in a budget motel in beautiful downtown Huber Heights (which is about 10 miles from the Hara Arena).

Now, I have attended the Hamvention (or "Rainvention", as we used to call it) years ago on my own. You do need to bring enough money for gas, lodging and admittance to the grounds, not to mention a few extra bucks if you actually want to buy something! The Flea Market area is huge and takes a long time to peruse, but you'll find stuff there that you never see anywhere else!

Most of the major commercial vendors are in the main arena and other dealers inhabit the many nooks, crannies and various rooms scattered throughout the Hara facility. You've probably seen pictures in QST. Believe me; the

pictures don't do justice to the actual atmosphere within those hallowed Ham Radio halls. It's downright overwhelming!

Of course, all the usual suspects are there from the ARRL, Kenwood, and ICOM, Yaesu plus personalities like Gordon West and others. As you know, there are seminars galore and major prizes to be won from the many vendors in attendance. Of course, you can fill your shopping bag with free handouts, like pens, pins, brochures and free hats & T-shirts, but there's nothing like finding that rare key or receiver you've been looking for since getting your license so many years ago.

If you've never been to the Dayton Hamvention, make it a point to go at least once . . . just so you can say "I've been there!"
73, Bill, KA9WRL

Contesting

De Bob Truscott (W9LO)

Participation in the Wisconsin QSO Party was down somewhat from what we had hoped for, but it was a good effort by those who reported their scores. The final score official report will be out sometime in June at www.warac.org. Here are the reported scores for ORC members:

Call	CW	QS	SSB	QS	MULTS.	SCORE
W9XT	258	197			109	
	116,657.5					
W9LO	376		81			
	91,368					
N9FH	185	115			72	52,380
K9GCF	345	88				45,540
WI9M	52	153			75	28,912.5
W9VBQ	107 (QRP)				46	19,688

WQ9N

4,140

358,686

This total will be increased somewhat by adding the scores of the stations that were unreported.

So now it's time for us to turn our thoughts to Field Day. The first committee meeting was held on May 5th at K9GCF's house. Leon will give the membership a full report at the next club meeting, on May 13. As is our habit, the event will be held at Lazy Days Campground on the 4th full weekend in June. We'll be looking for a lot of help from a lot of people to accomplish the various tasks required to make it a fun weekend. A date for the next committee meeting has not been set, but we invite all club members who would like participate to attend. We'll keep you posted via email and/or newsletter.

The contest of the month is the CQ WPX CW Contest on May 30. Rules at www.cqwp.com.

Have fun contesting.
Bob, W9LO

A MINOR HAMFEST

De Bob Truscott (W9LO)

You find ORC members in the most unexpected places. We celebrate birthdays at our house by going out to dinner, and since it was Jean's birthday she made the choice of restaurants. She chose a place in West Bend called The Coachman House. We had heard about it, but in all of the 15 years we've lived in West Bend we had never visited it. It was a last minute decision, made to avoid a long trip out to the Fox & Hounds.

So while we were being seated, we were greeted by Jake Schmelling, KB9ZOR, and an employee of the restaurant. Those of you who attend Field Day will recognize Jake as the young fellow who came to the club when he was 12 years old, and has developed into one of our best SSB Field Day operators. We chatted for a short while about the recent WIQP,

and the upcoming Field Day event, and a few other things before he had to get back to work. Then about a half an hour later I heard someone at the table about 10' from ours call my name. It was Tom Murtaugh, W9VBQ. He and his wife, Sonja, had sneaked in while we weren't paying attention. You all know Tom, he's the guy with the white beard who always has his camera in his hand. I was surprised that he put it down long enough to eat his steak that night. He's a CW man, and QRP, at that. Which reminds me of the comment my then future father-in-law, W0OR, made when Jean told him she was going to marry a ham—"he can't be all bad if he's a CW man'. Anyway, Tom and I were having a little eye-ball QSO about our shared history with channel 12 in the early years, I left them a couple years before Tom joined them, but we both knew most of the same people, when I heard Jean tell Sonja that she was 39 years old. Never mind her white hair and the fact that we have been married for 59 years. She claims she didn't say it, but I think she did—she lies a lot. But then so do I, so she is forgiven.

After that bit of local QRM, Tom and I continued our QSO long enough to determine that the 10 minute "fellowship breaks" in the middle of our club meetings just aren't long enough. Perhaps we would all learn a little more about each other if we made the breaks longer. How about 60 minutes, or so? And a wet bar would be nice.

Bob, W9LO

VHF & UHF

De Todd Sprinkmann (KC9BQA)

VHF contest season kicks off with a bang next month. Save the calendar below. Also, get in the habit of visiting my new website at <http://www.kc9bqa.com> If you have an interest in VHF/UHF, spend 10-15 mins. 1x-2x/week at the website and you'll learn a lot, I promise.

I'm doing website updates several times a week so consider that your freshly-updated VHF/UHF newsletter. Finally, as always, if you have any other questions, please don't hesitate

to contact me via the website or email me at sprinkies@excel.net.

If you read this by Sat. eve., May 9th, then you can get on for the 6 meter Spring Sprint. It's from 6-10pm, and it's a great way to try out your 50 MHz gear, and make some contacts. You may hear stations across the USA, if the band opens up. I have full info about 50 MHz operating on my website. Read up on that, and you'll feel confident about trying out 6 meters.

OTHER VHF/UHF CONTESTS:
June 13-14 ARRL VHF QSO Party 6m and higher
July 18-19 CQ WW VHF Contest 6 and 2m
Aug 1-2 ARRL UHF Contest 222Mhz and up
Sept 12-13 ARRL VHF QSO Party 6m and higher

For now, mark these dates on your calendar, and enjoy some summer fun with hamming. Know that I encourage all hams to try VHF/UHF, and that my website has a lot of content geared toward beginners. I clearly remember starting out and having to figure out a lot of this on my own. It really helps to have a VHF/UHF Elmer.

Also, take the stress out of the contests, and get your station ready *now*. Improve or raise antennas, improve feedline, add or try out a new band. Check into our nets to see how you're getting out, or to ask any questions. For details on the weekly SSB and FM 2 meter nets visit <http://www.kc9bqa.com>.

One way VHF'ers have a lot of fun in contests is to go out and rove. Roving means going mobile and activating different grid squares. Every time a rover enters a new grid square, they are a new station other rovers and base stations can work for contest Q's. Look at the map below and know that at 70th and Lincoln in Milwaukee **there's a 4-grid intersection.** http://gatorradio.org/Operating_Training_Aides/Ham_US_Grids%202005.pdf

Rovers have the net effect of increasing contest activity 2, 4, or even 6 or 8-fold, every time

they operate from a new grid. If you are antenna-restricted but would like to play in the VHF contests, roving is a fantastic way to go.

If you want to see examples of rover stations, look up an article by K4GUN in Oct. 2008 QST, on page 48. Or visit the ARRL contest soapbox at <http://www.arrl.org/contests/soapbox/> Choose the VHF contests from the menu. Lots of contest stories and pictures there. Rovers can be elaborate or basic. It's up to you. The advantage of trying a Milwaukee rove is that you can do EN62/63/52/53 easily, plus you're very near dozens of stations. No need for big antennas, if you're just getting started. Now if you want bigger antennas and better reach, us VHF'ers can help you get to that level.

If you have any interest in roving, I'd be very happy to help however I can. I can also put you in touch with other rovers. We *always* want more activity in VHF contests.

I plan to be at the May 13th meeting so can answer any questions you might have at that time.

Project of the Month

De: Ed Rate, AA9W

The club owes a big thank you to the following guys who turned out and took down the W9QMD tower last Sunday:



Starting with the TA-33, the beams have to be removed first. Naturally there were a few unique aspects to the installation that slowed

things down. The right body harness and gin pole made all the difference in safety and comfort.

Chuck Curran, Doug Burghardt, Mark Tellier, Paul Purgett, Mikko Hilvo, Nels Harvey, Mike Yuhas, Ed Frac and his brother, Jake Schmelling and especially Tom who really got a workout!

Taking that tower down took a little over four hours and it really fought back. I don't see how Fred ever got the tower up. Even after the beam and top sections were down, the bolts holding the bottom section were embedded in the concrete base and the concrete had to be chipped away in order to get a wrench to bite.



Almost finished. After the beams, mast and rotor were removed the upper section was jacked apart and again, lowered using the gin pole.

The ORC was being held responsible for taking the tower down and it was written into the home sales contract that we would remove it in the spring.

Thanks to all, that problem has now been solved. The Mosley beam has been sold. The two meter beam and the 440 beam have been sold.

Stoughton Swapfest

The Madison ARC Swapfest at Stoughton seemed to be a success again this year with good attendance by both vendors and buyers. Ed (AA9W), Nels (WA9JOB) and Tom (W9IPR) took a trailer load of “scholarship” fund donated stuff and filled two tables and the floor with “good buys”. They returned home quite pleased with themselves having enriched the fund by more than a thousand dollars.



At the Stoughton Swapfest it was Ed (AA9W) making deals while Nels (WA9JOB) keep track of the money.

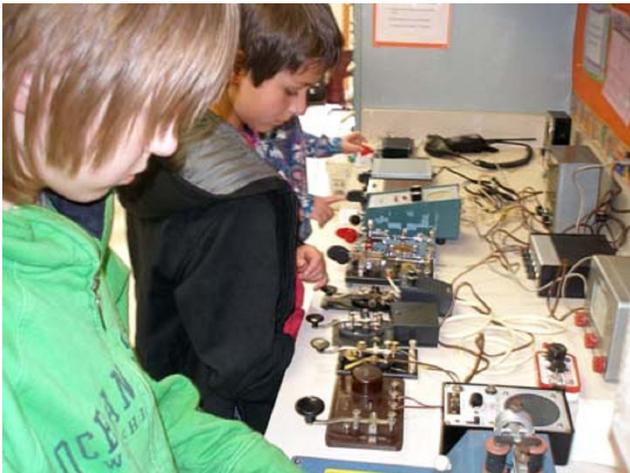
Opportunity Days @ Parkview School

Again this year the Parkview Elementary School in Cedarburg asked the ORC to conduct the “Amateur Radio” program for Opportunities Days” hosted by the PTA. They present a number of different activities ranging from baby setting and Judo to motorcycle repair and amateur radio as activities in which the fourth and fifth graders might like to get involved in the future. Three years ago at our first participation we had only three sessions of twelve kids each. The second year and this it expanded to 5 sessions of up to fifteen kids each due to demand.

To be sure, it is fun to discuss amateur radio and its possibilities with the kids and try to spur their interest in a potentially lifelong hobby.



Tom Ruhlmann opened each of the 5 sessions with questions such as “what is HAM radio?” and “who knows a HAM?” followed by the Walter Cronkite video, “Amateur Radio”.



Each of the kids got an introduction to CW using one of the oscillators in the collection of Bill Howe, KA9WRL, and an opportunity to spell out their own name in Morse code.

Special thanks to Bill Howe (KA9WRL), Tom Murtaugh (W9VBQ), Jon Gilmore (KB9RHZ) and Jack Morrison (N9SFG) who supplied to OZARES Communications Van.

A really big thank you to those of you who listened in on the repeaters and communicated with the kids. That contact really made their day. Again, thanks.



All the kids were able to look through the OZARES Comm. Van sky camera and talk to ORC HAMs on the repeater. They were assisted by ORC members Jon Gilmore and Jack Morrison who brought the Comm. Van to Parkview.

Tour de Cure

De J. Heber

I am the Coordinator for the 2209 Tour de Cure happening Sunday June 28th at Grafton High School. The Tour is a fundraising ride around Ozaukee County to raise funds for the American Diabetes Association. We are in much need for HAM Radio Operators and equipment. Could you contact anyone who could volunteer as a HAM radio operator or give me contact information. We are in need for 11 operators with equipment, and Master control equipment. If you have any questions please contact me through email or 414 778-5500 X 6514

River Fest

De Cindy, KA9PZG

River Fest communications is needed. Saukville's Annual River Fest cleanup is coming up on Saturday, May 16, 2009. As in past years we have had communications help from a number of ORC members at this annual event to assure safety of volunteer participation.

Hams are asked to show up at Saukville Grady Park by 8:30 AM to be assigned to various work groups. The event usually winds down by 11:15 AM with lunch served to all volunteers.

Participants will also receive a gift. Anyone wishing to help out this year can contact Cindy Douglas, KA9PZG via 2 meters or by calling 262-483-4570. There will also be a sign-up at the membership meeting.

31st ORC Spring Swapfest

As chairman of the ORC Spring Swapfest I was really pleased with the involvement of the membership, the forums, president's roundtable, vendor turnout and attendance. It really was a social, educational, technical and financial success.



There was a really great crowd and they continued to circulate, buy and socialize until about 11:30 AM

Attendance was up from last year at over 275 and the number of vendor tables also increased with over 60 being loaded with good deals.

While the Swapfest, which provides a large share of the club operating fund, itself was more profitable than last year the real success story was at the ORC scholarship table where we netted approximately \$3000 from the sale of donated equipment and which will be used toward educational scholarships.



Don Michalski, W9IXG, had a busy morning answering questions about ARRL and signing up new and renewal members.



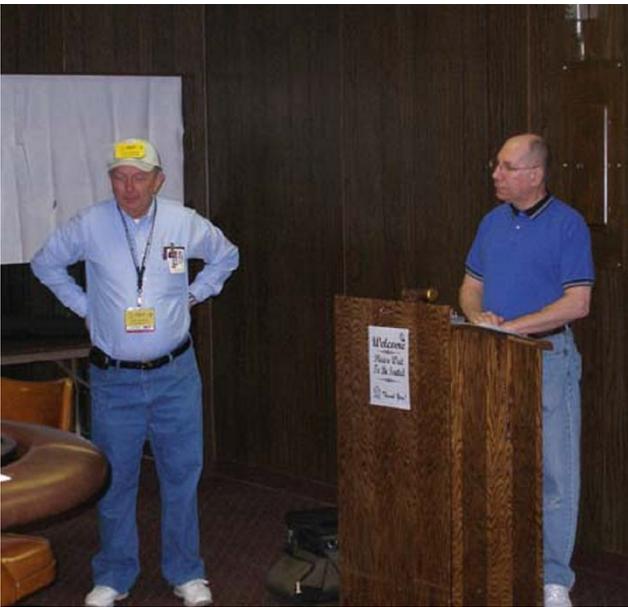
There was plenty of test equipment at the swapfest as noted here at the LeFrog tables.



The first forum of the day was the VHF-UHF Contesting forum as shown here being presented by Ken Boston, W9GA, and Todd Sprinkmann, KC9BQA.



The Presidents Round Table was again a success with 8 other area presidents participating with the host, Bill Howe, KA9WRL.



Leon Rediske, K9GCF, and Bernie, KA9BFH, hosted the Fox Hunting forum and were prepared to conduct a fox hunt for the inexperienced.



Ed Rate was again busy at the “ORC Scholarship Fund” table where he was assisted by Doug Burghardt, Patrick Sullivan and Tim Boppre among others.



Stan Kaplan was again our “barker” assisted by Tom Murtaugh, W9VBQ, and he awarded door prizes from ARRL, CQ Magazine, members and vendors to the fortunate few among the 248 tickets in the drum.



And who was the winner of the HT grand prize? None other than Ken Boston, W9GA.

Upcoming Events

May

- 1st **Opportunity Day @ Parkview School**
- 2nd **ORC Swapfest at Circle B**
- 3rd Hamfest – DeKalb, IL
- 16th CQ National Fox Hunting Weekend
- 13th **Membership Meeting**
- 15th – 17th Dayton Hamvention
- 16th National Fox Hunt Weekend
- 16th **River Cleanup**
- 28th OZARES
- 30th – 31st CQ WW CW DX Contest

June

- 6th TREK 100
- 7th Hamfest – Princeton, IL
- 10th **Membership Meeting**
- 28th Tour de Cure
- 13th – 14th ARRL VHF QSO Party

21st 6 Meter Club of Chi Swapfest @ DuPage Fairgrounds in Wheaton IL

27th -29th Field Day

July

- 11th South Milwaukee Swapfest
- 12th Hamfest – Sugar Grove, IL
- 11th-12th IARU HF World Championship
- 8th **Membership Meeting**
- 18th – 19th CQ WW VHF Contest
- 23th OZARES
- Fish Day at Port Washington**
- NA QSO Party
- VHF Society Conference @ Bloomington

August

- 1st North American CW QSO Party
- ARRL UHF Contest
- 10 – 10 Phone QSO Party
- 12th **Membership Meeting**
- Circus City Swapfest – Baraboo WI
- ORC Corn roast**
- 15th – 16th North American SSB QSO Party

OZARES

De Stan Kaplan (WB9RQR)

There was no OZARES meeting during April, since our annual Severe Weather Spotting training with the National Weather Service was on the 15th. Attendance was excellent!

EC Mike Yuhas has set us up to do severe WX training during each Thursday net until further notice, to hone our skills in reporting. For example, beginning 7 May, each member checking in to the net will do so using a simulated severe WX report, reporting in the TLCS format (Time, Location, Condition and Source/Station). That is how Sullivan WX wants information relayed to them and reports on all nets should be uniform throughout Wisconsin. It should be noted that while OZARES will hold a local net with its own Net Control during severe weather,

a single designated Relay Operator sends reports to Sullivan, at the direction of our Net Control. The same is true of all ARES/RACES units in SE and SC Wisconsin. This keeps the number of reports coming into Sullivan at a manageable level. ORC members and others who are interested in severe WX reporting are more than welcome to listen to our Thursday night nets, and are also very welcome to check in as a guest.

EC Mike has asked me to hype our next OZARES meeting (28 May), where the program will be a short and simple Introduction to Winlink (WB9RQR will be the presenter). All are welcome.

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights (4th Thursdays). Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the complete schedule on the web site for possible hams to trade dates with, and keep the net manager (WB9RQR) informed of confirmed trades. Guests are welcome after the OZARES check-ins are complete, *most especially ORC members!* By the way, if you see a difference between the schedule on the website and this column, this column will always be correct, since it reflects last minute changes and substitutions. Such changes and substitutions to the website version will be in bold print here if known at the time of printing.

07 May	AA9GT
14 May	WB9RQR
21 May	N9SFG
28 May	Meeting
04 Jun	N9SQA
11 Jun	KB9VJP
18 Jun	AA9W
25 Jun	Field Day Weekend, no net or meeting.
02 Jul	KC9BKA
09 Jul	W9BTN
16 Jul	KA9DDN
23 Jul	Meeting
30 Jul	KC9FZK

ORC April 1, 2009 Board Meeting Minutes

Meeting was called to order April 1, 2009. at 7:22 PM by Club President Bill Howe.

In attendance were: Tom Nawrot AA9XK, Doug Burghardt N9KG, Nels Harvey WA9JOB, Bill Howe KA9WRL, Mike Yuhas AB9ON, Ed Rate AA9W, Tom Ruhlmann W9IPR, and Chuck Curran W9POU.

Budget: Mike Yuhas reviewed the budget for the group and mentioned a minor correction to the current budget. A two year budget should be in place per Mike. Mike also had detail on budget categories through September of 2008 for comparison and history. Tom Ruhlmann indicated he had budgets for at least the last 3-5 years.

Nels brought up budget issues. A Certificate of Deposit expired at National Cities, and it was re-invested at Educator's Credit Union. Another CD will come due on 4/30. Nels recommended adding it to the current Educator's Credit Union CD. A motion was made by Bill Howe to follow the recommendation presented by Nels; the motion was seconded by Mike Yuhas. The vote was 100% in favor of the suggested plan.

AES Superfest: Several people described the planned events for the April 3 & 4th AES Superfest. Bill Described his display and Tom indicated he would make available a picture board. The O.R.C. banner was brought and given to Nels for the O.R.C. table at the event.

Donation: A donation to the O.R.C. of \$317.00 was made in memory of Dave Knaus from Funeral donations through his sister Kathy, and \$130.00 sent directly to the Treasurer, for a total of \$447.00

Scholarship Fund: A motion had been made at the club meeting to name the fund after Dave Knaus. Ed rate shared with the group that few people currently in the club knew who Dave Knaus was. It would also be a significant amount of work to change the structure since the fund was registered in the current name through F.A.R. Additional discussion took place. Doug Burghardt asked if the fund would be present without Dave's work on it at the start. Ed Rate said yes, since Stan Kaplan had been the first Chairman. Tom R. offered some observations on life memberships and foregoing the dues then only new members pay and the club can suffer financially. Issues can then arise if others wonder why they were not granted a Life Membership. Tom concluded that

the club should recognize Dave's contribution but with a plaque instead of changing the scholarship funds name. Tom, Ed, Stan and Mike will be on the scholarship committee and will investigate specific options and report back to the Board with a written plan. Nels withdrew his original motion and suggested that some recognition be considered. Tom suggested a Certificate of Appreciation. The Certificate should be sent out to people who do make a contribution to the club.

O.R.C. Organizational Chart: The org chart was reviewed and first the social secretary was discussed for writing letters, sympathy cards, etc. Tom will stay with the news letter, many compliments for the great job being done at this time. Mike Yugas accepted the additional work for the budget category and his call sign and Jim Albrinck's are now corrected on the org chart. It was also stated that Naomi is gone from the Public Relations. A volunteer will be solicited at the April meeting.

Field Day: Tom Nawrot discussed Field Day budget issues with the group. Discussion followed and the amount of \$600.00 is set for the 2009 Field Day event. Expenses for the last few years were shared with the group and are listed below:

Year	Amount Spent
2002	\$744.00
2003	\$623.00
2004	\$818.00
2005	\$427.00
2006	\$1052.73
2007	\$1107.34
2008	\$378.46

Scholarship Activities: Ed Rate explained the contact with F.A.R. and the time required is significant. He has filed the IRS report and everything is current as of April 1, 2009. The fund also issues letters to the recipients for the Income Tax reports.

Miscellaneous: E-mails were discussed. On another topic Tom R. said that Jeff, KB9QQE suggested encouraging people who want to do new things. Bill Howe has been contacted by several people about towers that they want to give to the club if the club removes them. More information will be provided as this develops. Bruce Weitermann, K9ISI was mentioned and he has had a stroke and now found out he has Pancreatic Cancer. He wants his house and storage sheds cleared of radio equipment and parts.

May Swapfest: Tom Ruhlmann reviewed some of the current steps already completed in preparation for the Swapfest. He had contacted CQ and ARRL magazines and we are registered through ARRL for the date of May 2, 2009. A pending meeting on April 6th with the Swapfest committee was mentioned. 23 vendors had been contacted for door prizes, not too much feedback yet. Mark Potash will donate a HT for the grand prize. Flyer's for the 9/12 Swapfest must be ready to be handed out at the 5/2 Swapfest. Tom will contact Gabe Chido on this item. Nels said he would handle.

Meeting was adjourned at 9:06 PM without a motion or second, it simply ended

Minutes– April 8th, 2009 Membership Meeting

De Chuck Curran (WA9POU)

The meeting was called to order by Club President Bill Howe KA9WRL at 7:30 PM. The question asked of all members during the introductions was "Do you have a Go Box? Almost 50% of the people present answered yes.

Announcements:

- Mike Yugas presented a series of awards that were for a variety of accomplishments by club members
- Bill Howe requested a volunteer for the position of public relations. No one volunteered during the meeting.
- It was also announced that the following will be on the scholarship committee: Mike Yugas, Tom Ruhlmann, Doug Burghardt, Ed Rate and Stan Kaplan
- We were informed that Jane Rediske, KB9SYI, has had her back surgery and is recovering very well.
- Bill Howe also mentioned several towers that had been donated to the club. Several people are already planning to help take them down, including LeFrog, but additional volunteers will be appreciated, especially those who can climb!

Program: Glenn Schulz, W9IQ from Lannon, WI provided the evening's program. Glenn showed the group a Power Point presentation covering hydrogen fuel cells. Glenn reviewed the history on common fuel systems such

as bio-diesel, diesel and cars like the Toyota Prius. Then the advantages of fuel cell technology were explained and a small sample fuel cell Glenn obtained on a business trip to Germany was demonstrated.

Fellowship Break: Dave, N9UNR sold the 50/50 tickets.

Auction: Stan Kaplan WB9RQR conducted the auction with the help of Mike Yuhas, AB9ON. Many items were sold to the group tonight. Rolls of resistors and other component parts, several 12 VDC power supplies and another Simpson 260, just like last month.

March Meeting Minutes: Bill Howe asked if the minutes for the March meeting were acceptable, Tom Ruhlmann motioned that they be approved as is and it was seconded by Mike Yuhas. The club voted to approve.

Treasurer's Report: The treasurer's report was passed out to all and reviewed by Nels Harvey, WA9JOB. Mike Yuhas AB9ON motioned that the report be accepted and the motion was seconded by Stan Kaplan WB9RQR. Vote was 100% for approval.

Repeater Report: The group was told that the repeaters are all running with no current issues.

Swapfest, May 2, 2009: Tom Ruhlmann provided a report on the status of the planning for the Swapfest. Swapfest will be held at the Circle B as in the past. On Monday April 6, 2009 Tom had the planning committee meet at his house. All of the details for the Swapfest were discussed and a good plan is now in place thanks to Tom's efforts. Additional club members are still needed to briefly participate in tickets sales and general assistance on Saturday morning, with the doors opening at 6:00 AM.

Opportunity Day: Bill Howe KA9WRL shared with the group the pending Opportunity Day with the 4th & 5th grade students at Parkview School in Cedarburg. Bill will be assisted by Tom Ruhlmann W9IPR and they will have their equipment with them, and one planned event will be to have the kids write a short message and it will be sent via Morse code from Bill to Tom. Other Hams are invited to attend.

Club Equipment Donations: Ed Rate AA9W mentioned two 30 foot towers and also a Classic 33 beam that have been donated to Ozaukee Radio Club. The plan is to take these two down in early May. Ed also described the plan to have a table set up to sell past equipment donations currently being held by the Ozaukee Radio Club. There is a lot of very good equipment that is in excellent shape, stop by and take a look, make sure to bring your wallet!

This equipment will also be taken to the Stoughton Hamfest.

Scholarship Fund: Ed Rate AA9W reviewed some of the scholarship fund activities. Specifically the proposed name change was discussed. The current plan is to leave the name as is, with no changes. However, in order to provide deserved recognition to people who do make donations, a Certificate of Appreciation will be instituted and given out whenever an appreciable donation is received by the club. Tom Ruhlmann W9IPR then described a possible Key Club suggestion that also being discussed. It would include both a service awards for members who have donated significant amounts of personal time, along with awards for monetary or equipment donations.

Adjournment: Kent Christiansen N9WH moved for adjournment. The motion was seconded by Dave Barrow N9UNR and the motion passed with 100% voting in favor.

Meeting Attendance: Stan Kaplan WB9RQR, Bill Howe KA9WRL, Mikko Hilvo W9FIN, Gary Sharbuno WI9M, Dave Barrow N9UNR, Kent Christiansen N9WH, Ed Rate AA9W, Jim Albrinck K9QLP, John Schrader W9NRG, Nels Harvey WA9JOB, Ted Spicuzza KB9PQZ, Rich Labuda KC9NZR, Mark Fielkow KB9PXE, Todd Fast N9DRY, Gary Sutcliffe W9XT, Ken Boston W9GA, Jerry Seitz W9GGR, Joe Sturmberg WA9DFZ, Tom Nawrot AA9XK, Tom Murtaugh W9VBQ, Ray Totzke W9KHH, Ed Frac AA9WW, Roger Zaun W9UVV, Mark Tellier AB9CD, Terry Koller KA9RFM, Robert Frank N9NRK, Dick Holt AB0VF, Nancy Sticker KC9FZK, Kate Holt KB0SIO, Ron Underwood KC9DKQ, Hector, Doug Burghardt N9KG, Joe Holly AA9HR, Paul Purgett KC9NHD, Mike Yuhas AB9ON, Chuck Curran W9POU

AGENDA

May 13, 2009

1. Call to order – Bill Howe (KA9WRL)
 2. Introductions.
 3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 4. Program: VHF-UHF Contesting
 5. Fellowship Break
 6. Auction.
 7. Acceptance of Minutes as printed.
 8. Treasurer's report – Nels (WA0JOB).
-
9. Repeater report – John (W9NRG)
 10. Committee reports.
Scholarship –
Swapfest -
Field Day –
Other -
 11. OLD BUSINESS
 12. NEW BUSINESS
 13. 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, May 13th

7:30 PM



The ORC News -

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.



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Volume XXVIII

June, 2009

Number 6

From the President

De Bill Howe II (KA9WRL)

This for all the new Hams, who have never actually participated in, what we call, "Field Day".

Unlike other contests, Field Day is rarely a single-man operation. In fact, Field Day is frequently used to highlight to the public, the virtues and utility of ham radio in an emergency situation. Some clubs demonstrate a wide range of technologies, including single side-band voice, Morse code, and a number of digital modes including APRS and Packet Radio as well as Satellite communications!

First and foremost, Field Day stresses emergency preparedness. During this exercise, our entire club gets involved, and take "Field" Day literally, erecting numerous radio masts and towers, each bearing the appropriate antenna for that station's band. As with most Field Day operations we use generators to provide power to our ham radio transceivers.

The goal of Field Day is to work, or contact, as many stations as possible throughout the 24-hour duration of Field Day. The Field Day exchange is one's call sign, along with the number of stations in simultaneous operation, followed by a letter (A-F) designating the method in which the stations are being powered, such as by generator, solar power, or conventional mains AC.

Since the early days the ORC, has made Field Day its premier annual operating event. We take Field Day seriously, sharpening our emergency preparedness, logistics exercising and operating skills, training new hams and sharing

in the camaraderie of good friends and mentors.

Location of ORC's Field Day for several years now has been Lazy Days Campground in the West Bend area. The equipment has changed since the early days, but the one thing that hasn't changed is our zest for the annual operating event and the anticipation and excitement of operating, cooking on the barbecue and rag chewing with friends, family and newcomers alike. Everyone is welcome to stop by, operate and join in on the fun that is Field Day.

New Ham or experienced "Old Man", Field Day is something to really look forward to each year. We hope to see you there!

73, de KA9WRL

FIELD DAY FOOLISHNESS

De Bob Truscott (W9LO)

Field Day is almost here. More precisely, it will be here on June 27-28th, with setup at Lazy Days Campground beginning on June 26th. Those of us who no longer have to work for a living expect to arrive at the site about 10:00 AM on the 26th, and we invite those of you who choose to "call in sick", or otherwise find a way to avoid working on that day to join us. It will be a great opportunity for those of you who are relatively new to Field Day to come early and listen to tales of past Field Day glories as told by some of the club's biggest liars. The club's F.D. history is long and the stories seem to get better each year. (But don't be surprised if we put you to work, too.)

We had a Field Day Committee meeting last night (June 2nd). The attendance was good, about a dozen or so people, and the business was handled expeditiously. This was no surprise because we always have a boatload of people who want to help set up the event.



There was a large group at Leon's Field Day committee meeting and it included some new faces and operators – perhaps we could move up to second in the nation for 5A.

What WAS a surprise occurred after the close of the meeting when Tom, W9IPR, the 40 meter SSB captain, had the gall to challenge the 40 meter CW team in a contest to see which team would come up with the most FD contacts. I tried to let him off the hook by saying that we had deliberately avoided such a contest last year because it would have been unfair to him and his crew, just like “taking candy from a baby”. He took exception to that remark, and said something like “well, we’ll see who gets to eat the candy this year”. So he had his chance to back off, but didn’t, so you can all watch him pay off the bet (a 12-pack of MGD) at the July club meeting. And while we’re on the subject, we in the 40 CW tent fully expect to reclaim the “most contacts’ flag from the 20 SSB gang, which we lost to them last year due to exceptional propagation conditions on 20 meters. Fly it proudly, Leon, because you won’t have it very long.

And finally, let me say that the 40 CW team will accept 12-packs from any ORC FD teams who are foolish enough to challenge us. Place your bets, people.

See you all at Field Day. CW ops bring your own phones.

Bob, W9LO

YOUR CONTEST PLANS

De Todd Sprinkmann (KC9BQA)

All VHF/UHF'ers eyes are squarely on the first big summer contest of the season. Talking about the 2009 ARRL June VHF QSO Party. Here's a link to the rules: <http://www.arrl.org/contests/rules/2009/june-vhf.html>

The contest runs from 1pm local (1800UTC) on Sat. June 13th until 10pm local (0300UTC) Sun. June 14th.

There are many stations (especially rovers) with good plans that are firming up. There may be as many as 6-10 rover stations within 100-150 miles of SE WI. My best advice is to frequently check the ORC Yahoo remailer as the contest nears. Of course, I will be posting updates to <http://www.kc9bqa.com> as well.

Anyone who has plans to operate should contact me via sprinkies@excel.net Contests are far more enjoyable when there's plenty of promotion ahead of time. It gets those on the fence motivated to come out and play.

Some of you will remember that in the ARRL January VHF Sweepstakes, we had a very large turnout of FM-only stations. We're going to encourage that FM (vertical polarization) activity again on June 13-14th. Use 146.55, 146.58 as primary 2 meter freqs. and spread out to 146.40-146.49 if it's especially busy. Please remember there is no contesting on repeaters, nor on the national 146.52 simplex frequency, nor 146.505 and 146.535. If you know hams who might want to try some FM contesting, talk it up on the repeaters or use email. Promote! FM activity may also be found on 6M, 1.25Cm and 70Cm on 52.525, 223.500 and 446.000.

I suggest two time periods to focus the FM activity: One is June 13th from 4-6pm, and again

from 9-11pm. Why the latter option? Because a June contest often has intense periods of long-haul DX on 6 meters, via sporadic E skip propagation. When 6 meters is wide open, many of the contesters work as much as they can on 6, and tend to forget about the other bands while 6 is open. Often times, E skip dies down during the later evening, and contesters return to the other bands. Also, tropo propagation tends to improve in the late evening hours, leading to better DX on 2 meters and higher bands. So keep that 9-11pm activity period in mind for Sat. night. I should add that 6 meters was wide open last night (Mon. June 1st). I worked at least 10-15 states and 30-40 grid squares. This is common from May-August and peak E skip is in June-July.

Know that 80- 90% of traditional VHF/UHF contesting is done with SSB and horizontally polarized antennas. Feel free to use CW in the SSB portions, also. The FM option is something I've promoted locally because I think using your existing equipment to try out a contest is a great way to get your feet wet. My hope is that over time, some of you FM stations will try getting SSB gear and horizontal beams (or omnidirectional halos/loops) to better take advantage of the regional activity.

Two and six meters are by far the most common bands in a VHF/UHF contest. Next comes 432/440 MHz, and then 222/223 MHz. The more bands you have, the larger your score will be. Do you "CQ Contest" calling on 6 or 2 meters, and then ask any station you work if they have other bands. Then the two of you find an open frequency on the other band, and work each other there. Remember to ask those you work "if they have any other bands".

The two meter SSB call freq. is 144.200. You will hear activity from about 144.150-144.250. Six meter call freq. on SSB is 50.125. Only work *up* from 50.125 -- not down. There's also a separate CW sub-band on 6 from 50.080-50.110. Below 50.080 are propagation beacons. See what you can copy, and learn where the band is open to. 50.110-50.125 is the DX window on 6. Don't do any USA/USA Q's between 50.110-50.125. You are free to

work Mexico/Caribbean/The World, as well as Alaska and Hawaii between 50.110-125. DX can also operate on 50.125 and above, and you are free to work DX anywhere you find them. If 6 is wide open, you may well hear activity up to or past 50.200. 6 can sound like 20 meters in a busy VHF contest with E skip across the USA/VE/XE. It's a thrill everyone should experience.

The 70cm call freq. on SSB is 432.100, and you may hear activity from about 431.170-432.130. On 222 SSB, the call freq. is 222.100, with activity from roughly 221.070-222.130. Six and two meters SSB will have far more activity because those are the bands we initially call CQ on. Then we "run" stations to the other bands.

You may certainly call "CQ Contest" and answer other station's calls on the call freq.. However, try to keep them open as much as possible. Use your VFO and tune around. Don't be crystal-bound. Also use headphones to hear the light signals. Light signals are the best because they're probably the more distant grids you need to turn in a better score.

If you're contesting on FM, keep your squelch as low as you can stand it. You don't want to call blindly and cover up weaker stations.

Back in January, I wrote a series of articles called "VHF Contesting School". I'll be sharing links to those articles on my website via the ORC Yahoo remailer, for further review. The articles will cover everything a total newbie needs to know to start contesting on June 13-14th. We'll also have sample contest exchanges on the weekly SSB and FM nets, starting Wed. June 3rd and Thur. June 4th. Questions are also welcome during the nets.

If you have specific questions, ask me. They are probably questions others have thought of, so ask away. Use my email or ask via the ORC Yahoo list.

Finally, I just got a phone call from an anonymous contester who wishes to sponsor a plaque for the highest score from a newer or little-gun station in this ARRL June contest. The award will only go to a Badger Contester. I am a Badger Contester, as are ORC members

like W9GA, W9XT, N9UUR, N9VSV, W9KHH, W9FH and probably a few others I'm forgetting. The BC'ers are Wisconsin's VHF/UHF club. Everyone within 175 miles of our Oshkosh center is eligible to join the BC'ers and submit your contest scores toward our overall club total. The website is at <http://www.badgercontesters.org>.

The BC'ers, and W9GA and I would love to have you join. We have a dues-free, low-stress club that mainly comes alive during VHF/UHF contests. There is no competition with ORC or other all-purpose ham radio clubs. Please check it out and follow the directions on the main page to join.

New Members

Anthony Rick, NR9R, first became interested in radios along with his neighborhood gang through the use of CB equipment while in middle school in Madison where he grew up. In the 90's propagation was good and he was able to work several states on his 5 watt CB rig. Eventually the "gang" all took a class in amateur radio and Anthony became a Tech + in 1993 at the age of 13. As with most young HAM's he had an Elmer, N9CK, and Steve Frazer. It was at Steve's house where Anthony made his first CW contact with Steve at his side. Anthony progressed rapidly through the ranks and earned his Extra class license (@20 wpm in code) when 14 years old.



Anthony Rick, NR9R, is our newest member and is looking forward to field day and a chance to "contest" again.

His folks even let him put a cubical quad antenna on the roof to celebrate. Naturally CW is still one of his favorite modes of operation. While he has four brothers in Madison, he is the only HAM in the family.

Anthony continued "hamming" through high school at Lafollette in Madison and eventually earned his BS in physics from UW and UWM. Currently Anthony is working on a PhD in Computational Bioengineering and living on the East Side. Due to his current living conditions (in an apartment) he is a bit cramped for space for rigs and antenna but enjoys listening to his TS2000 with an indoor loop and recently bought an FT950 so he can get active on 6 meters again. He also bought an ICOM antenna coupler and is presently sizing up the trees in the neighborhood for an HF long wire and looking for a secluded spot for the VHF/UHF beams he has in storage.

He is looking forward to Field Day where he is co-captain at the 75/15 meter tent. Drop in and say hello to Anthony Rick, NR9R, our newest member.

Dayton – In the Rain

It was off to a great start with 4 car loads totaling 10 members, one trailer and a lot of stuff to sell to eager buyers at the Dayton Hamvention.

Sure, all the big guns (Kenwood, Yaesu, ICOM, Alinco, MFJ etc.) and distributors (e.g. AES) were there inside but the real fun is outside with all the boat anchors and where all the negotiating occurs.



Ted, Ed and Gabe were counting money and rearranging the merchandize for inspection while the sun shined.



This HAM was unique in that he used a robot truck to carry his purchases rather than his son.

The ORC gang taking part was Jim Albrinck, Gabe Chido, Nels Harvey, Doug Burkhart, Ted Schweitzer, Kent Christianson, Ed Frac, Ray Brunette, Mark Tellier and Tom Ruhlmann. Other members at Dayton included Leon Rediske and Bill Howe.



Inside Gordon was again teaching a curious group about the wonders of electrons and RF energy.

Again, it was a great time and we probably sold over about 500 lbs. of stuff amounting to about \$2000 on behalf of the Scholarship Fund. Plus, it was a lot of fun.



The group waited impatiently for the really great dinner at the Barbeque Shack Friday evening.



Inside, while it rained, Nels, Gabe and Jim assisted in administering the FCC exams for new Technicians and upgrades.



The rain came about 4PM on Saturday. Fortunately the big heavy stuff had been sold and Jim and Ed had little trouble covering the remaining "good stuff" and keeping it dry for the Sunday morning sales effort.

Project of the Month

De: Chuck Curran (W9POU)

Several years ago my Uncle called and said he was cleaning out the Ham Shack, and I had first pick on many of the items. One was a Collins R-390A, which I had provided the means of his

acquiring it about 15 years ago. I traded a Johnson CB radio to a co-worker at a plant in Anamosa, Iowa. He gave me his Collins 75A-3, in an even trade for the CB radio. Ya, I couldn't figure that one out either, but I happily made the trade. I lost interest in the 75A-3 and gave it to my Uncle, who then traded it even up for the R-390A. Long story, but that is how I came to get it.

It was physically in good shape, but electrically it had some issues. Here is a picture of the radio:

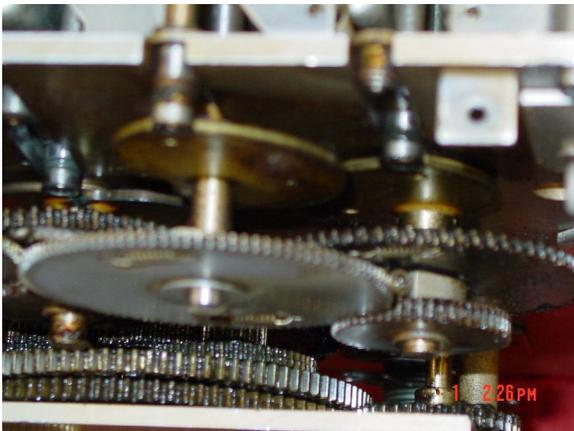
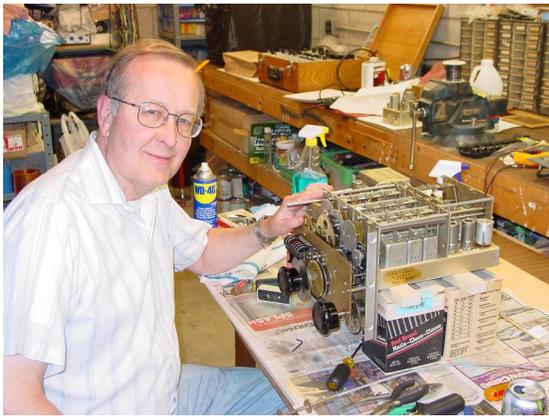


This is a Capehart built Collins R-390A, made in 1961. The "A" version has the external clue, of the antenna trim control in the top center location, the R-390 had none in that location. Please notice the brand new nameplate!

I decided to tear it down and re-cap the entire radio, clean up the gear train and re-align the entire RF and IF stages. I purchased a set of video tapes produced by WA4HHG, Chuck Ripple, who is a very competent and highly regarded R-390A restoration expert. They were worth every penny and answered the questions that came up during the 3 month long process. I first simply removed all of the individual sections. The receiver was designed for quick repairs and each sections pops out and a replacement can then be plugged in. Here is how that step looked:



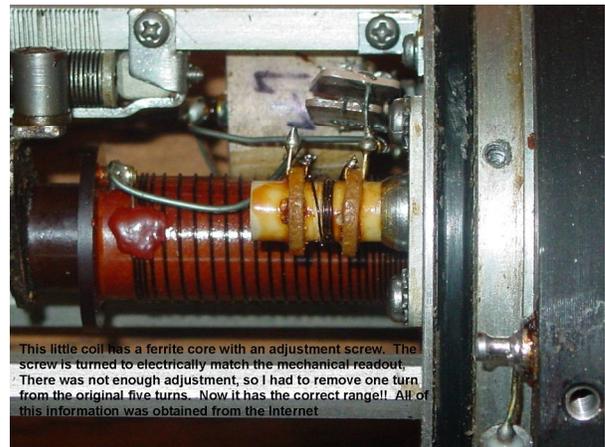
Please note the empty “fuel” container on the right side of this picture. The capacitors were all replaced, and several out of spec resistors. Then the RF deck gear train was 100% disassembled and all of the 46 year old grease removed one gear at a time. The gear train was re-assembled and aligned, a project that you do not want to do every night of the week. It is very demanding and requires perfection, for a proper function receiver.



Not wanting to lose out on any fun, I did discover that the PTO was not quite right and also needed some attention. It could not be adjusted to track exactly 500 KHz; it was always off 2-3 KHz. This required a bit of surgery on an inductor in the permeability tuned oscillator. I had to remove one turn from a coil. So the PTO was dis-assembled and put on the bench, the turn cut out and all was back together. Upon another attempt at aligning it, all was perfect after following the factory adjustment procedures.



Here is a close-up of the inductor that needed the surgery; it is the little white one.



At the end of the electrical repairs, a complete RF and IF alignment was done. All tubes had been checked on my Hickok 752 and all were at 100%. The radio worked in a beautiful manner. The CW filter went down to 100Hz and it really worked well. The BFO started acting up, and would simply stop running. Upon some trouble shoot, I found bad resistors in both the plate a

screen grid circuit. All was well upon replacement and the radio has worked perfectly every since!

Yes, my favorite T-Shirt does read: "Real Radio's Glow in the Dark!"

For Sale, Trade or ?

SX-28 - 1942 - Cleaned, recapped, aligned etc. – works good - no cabinet or speaker - \$150.00 – contact Tom, W9IPR – 262-377-6945 – must pick up.

Upcoming Events

Free on Field Day?

The American Diabetes Association's Tour de Cure could really use your help! They are looking for radio operators between 7a and 3p to help with their communications throughout Ozaukee County during their ride. You will be provided breakfast, lots of coffee and drinks throughout the day and the BBQ at the finish. Please contact J.J. Heber at jheber@diabetes.org if you can help!

June

6th TREK 100

7th Hamfest – Princeton, IL

10th Membership Meeting

28th Tour de Cure

13th – 14th ARRL VHF QSO Party

21st 6 Meter Club of Chi Swapfest @ DuPage Fairgrounds in Wheaton IL

26th -28th Field Day

July

11th South Milwaukee Swapfest

12th Hamfest – Sugar Grove, IL

11th-12th IARU HF World Championship

8th Membership Meeting

18th – 19th CQ WW VHF Contest

23th OZARES

Fish Day at Port Washington

NA QSO Party

August

1st North American CW QSO Party

ARRL UHF Contest

10 – 10 Phone QSO Party

12th Membership Meeting

Circus City Swapfest – Baraboo WI

ORC Corn roast

15th – 16th North American SSB QSO Party

Club Static

Janet Waedekin, mother of Rick Waedekin, N9PMR, former Repeater VP, passed away on Sunday, May 31. Visitation will Be Friday, June 5, from 5 to 7 PM, and Saturday, June 6, from 10 to 11:30 AM, at Schmidt & Bartelt Funeral Home, 10121 West North Ave, Wauwatosa.



In April, Glenn Schulz, W9IP of Lannon WI, gave a really interesting program on hydrogen fuel cells and challenged the group to try one on field day.



Ken Boston (W9GA) and Todd Sprinkmann (KC9BQA) gave a great program at the May meeting related to VHF-UHF Contesting and the Badger Contesters.



Todd Sprinkmann (KC9BQA) received the ORC Operator of 2008 from Mike Yuhás (AB9ON) for his efforts in promoting VHF-UHF SSB and FM operations via the nets he has instituted and his web site.



Ray Totzke (W9KHH) is showing Todd (KC9BQA) the 440 MHz halo antenna he concocted from a piece of coax and with which he worked several states during a UHF contest.



Ken Boston (W9GA) received the ORC Contestor of 2008 award from Mike Yuhás for his contesting efforts within the ORC and as President of the Badger Contesters.

Our condolences to Gabe Chido, W19GC, on the passing of his mother in February.

FD Historical Perspective - De Ray Totzke (W9KHH)

*Feed Back, Volume 5, Summer Issue, 1966
Official Organ of the Ozaukee Radio Club*

Field Day by W9RXJ

On June 25 and 26, 1966 the Ozaukee Radio Club held their 5th Annual Field Day. This year the Club had 3 transmitters running simultaneously.

The bands were 75 and 40 fone, 20 and 15m fone, and 80, 40, and 20m C.W. Three generators were available. One of the new looks of field day was a Lazy H Array, which was used by W9RXJ on 40, 20, and 15m.

Very good results were netted on 75m with our usual folded dipole and balun. The CW tent made a good showing, but the score was held down by the lack of operators and had 7 hours off air time, of the transmitter.

The Club had 1166 contacts. 500 points were gained by using emergency power exclusively, and having a newspaper publicity article. The grand calculated total was 7,496 points. Our best effort so far.

One of the dubious highlights of the outing was the launching of a kite tied to a helium filled balloon -- with slightly disastrous results!!

Let's look for more C.W. operators next year!

The Column

By Stan Kaplan (WB9RQR), Column Editor

The big news, announced on the WI ARES/RACES HF net of 31May, is that Gary Payne (N9VE) has stepped down as ARES SEC (Section Emergency Coordinator) for health reasons. Section Manager (SM) Don Michalski (W9IXG), head of all ARRL operations in the state, will take the job of Acting SEC until a replacement is found.

EC Mike Yuhas has set us up to do severe WX training during each Thursday net until further notice, to hone our skills in reporting. For example, each member checking in to the net will do so with a current WX report describing con-

ditions at their QTH given in the TLCS format (Time, Location, Condition and Source/Station). That is how Sullivan WX wants information relayed to them. It should be noted that while OZARES will hold a local net with its own Net Control during severe weather, a single designated Relay Operator sends reports to Sullivan, at the direction of our Net Control. The same is true of all ARES/RACES units in SE and SC Wisconsin. This keeps the number of reports coming into Sullivan at a manageable level. ORC members and others who are interested in severe WX reporting are more than welcome to listen to our Thursday night nets, and are also very welcome to check in as a guest. Guest may certainly check in with a TLCS report if they desire.

Our meeting of 28 May was a presentation on Winlink by WB9RQR. The aim was to simply describe what it is and what it can do, especially with regard to emergency communications. It certainly engendered a lot of discussion and interest in this digital mode. A number of our colleagues from Washington County were also present.

All OZARES members are encouraged to help out with ORC Field Day. Field Day is the largest emergency communications exercise in the world, and provides really good training in rapid, concise communications. Moreover, it provides wonderful experience in setting up emergency communications under actual field conditions. Make it part of your schedule this year!

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights (4th Thursdays). Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the complete schedule on the web site for possible hams to trade dates with, and keep the net manager (WB9RQR) informed of confirmed trades. Guests are welcome after the OZARES check-ins are complete, most especially ORC members! By the way, if you see a difference between the schedule on the website and this column, this column will always be correct, since it reflects last minute changes and substi-

tutions. Such changes and substitutions will be in bold print here if known at the time of printing.

04 Jun	N9SQA
11 Jun	KB9VJP
18 Jun	AA9W
25 Jun	Field Day, no net or meeting.
02 Jul	N9WH
09 Jul	AA9XK
16 Jul	N9XRU
23 Jul	Meeting
30 Jul	KC9BKA
06 Aug	W9BTN
13 Aug	KA9DDN
20 Aug	KC9FZK
27 Aug	Meeting

Minutes– May 13th, 2009

De Chuck Curran (W9POU)

The meeting was called to order by Club First Vice-President Tom Nawrot, AA9XK at 7:31 PM. The question asked of all members during the introductions was “What ideas or suggestions do you have for club presentations? Several suggestions were offered during the introductions.

Announcements:

- An announcement was made about a large collection of National Radio’s at a particular east coast station & also the OZR club stock of National equipment was mentioned. The east coast station is WA1AR, it is available for sale
- Mike Yuhas presented two more awards. The first award went to Gabe Chido, WI9GC for the Club Project of the Year Award. The second award was presented to Todd Sprinkmann, for the Operator of the Year award.
- Two people were at the meeting representing the American Diabetes Association. They shared the news on the upcoming Bike ride to raise funds. Unfortunately, the event has the same date as field day and only about 3 people were able to sign up for this event.

- Club President Bill Howe, KA9WRL, was at the Dayton Hamfest and unable to attend this evening’s meeting.

Program: This evening a program was jointly presented by Ken Boston, W9GA, and Todd Sprinkmann, KC9BQA. The topic covered was VHF Contesting. Significant detail was provide and explained on the various contests, antenna systems and the Grid Square system used during these contests. Propagation modes, especially ground wave discussed in detail. It was also pointed out there were some very good deals on used VHF equipment that was still high performance with a reasonable price tag. The rover staion frequently found during VHF contests was also explained..

Fellowship Break - 50/50 Raffle: Gabe Chido, WI9GC was the lucky winner of tonight’s raffle.

Swapfest Manuals: Ed Rate announced that he still had manuals for some of the equipment sold at the Swapfest, and suggested those who had purchased the equipment could get their manuals from him.

Auction: Stan Kaplan WB9RQR conducted the auction with the help of Jon Gilmore, KB9RHZ. Many items were sold to the group tonight. Speaker systems and a variety of other goodies left with new owners.

April Meeting Minutes: Tom Nawrot asked if the minutes for the April meeting were acceptable, Mike Yuhas made the motion to accept the minutes and it was seconded by Ken Boston.

Swapfest: 275 tickets and 70 tables were sold for the recent Swapfest at Circle B. A suggestion was made to conduct a quarterly Swapfest. We had very good forums and we should consider better advertising for the Fox Hunt at the next fall Swapfest.

Treasurer’s Report: The treasurer’s report was passed out to all and reviewed by Nels Harvey, WA9JOB. We had an income of \$1617.00 from the Swapfest after all the bills were paid. The equipment sold for the scholarship fund netted \$2983.85. Tom Nawrot requested a motion for the acceptance of the Treasurer’s report. The motion was made by Jon Gilmore KB9RHZ, and seconded by Ed Seigworth, AA9GT. A unanimous vote approved the minutes.

Repeater Report: None. Nels mentioned that the Grafton site radio burned up. A new one was purchased on eBay for \$100.00

Lighthouse Event: It was announced that the Lighthouse event will occur again this summer during the week of August 14th.

Adjournment: Dave Barrow moved for adjournment and it was seconded by Kent Christiansen N9WH. The motion passed with 100% voting in favor.

Meeting Attendance: 42 people attended the May Club meeting. Jeff Alper WB9PZD, Roger Zaun W9UVV, Joe Sturmberg KA9DFZ, Ron Underwood KC9DKQ, Mark Tellier AB9CD, Ray Totzke W9KHH, Tom Ruhlmann W9IPR, Jerry Seitz W9GGR, Ray Brunette W9BUJ, Patrick Sullivan KC9LRK, Kate Holt KB0SIO, Paul Purgett KC9NHD, Nancy Stecker KC9FZK, Julia Nawrot KB9WBQ, Richard Holt AB0VF, Jim Albrinck K9QLP Ken Boston W9GA, Todd Sprinkmann KC9BQA, Mike Yuhas AB9ON, Chuck Curran W9POU, Bernard Baum KC9PQB, Terry Koller KA9RFM, Mark Potash KC9GST, Leon Rediske K9GCF, Tom Nawrot AA9XK, Hector, Ed Seigworth AA9GT, Jon Gilmore KB9RHZ, Stan Kaplan WB9RQR, J. J. Heter, Ted Schweitzer KB9RLI, Kent Christiansen N9WH, Dave Barrow N9UNR, Gabe Chido WI9GC, Ed Rate AA9W, Anthony Rick NR9R, Doug Burghardt N9KG, Nels Harvey WA9JOB, Mark Fielkow KB9PXE, Ted Fast N9DRY, Ron Yokes W9BCK, Bob Truscott W9LO.

AGENDA

June 10, 2009

1. Call to order – Bill Howe (KA9WRL)
 2. Introductions.
 3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 4. Program: Field Day
 5. Fellowship Break
 6. Auction.
 7. Acceptance of Minutes as printed.
 8. Treasurer's report – Nels (WA0JOB).
-
9. Repeater report – John (W9NRG)
 10. Committee reports.
Dayton –
Field Day –
Corn Roast –
Tour de Cure -
 11. OLD BUSINESS
 12. NEW BUSINESS
 13. 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, June 10th

7:30 PM



The ORC News -

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

Volume XXVIII

July, 2009

Number 7

From the President

De Bill Howe II (KA9WRL)

Remember when you could work on your own car? When you could at least change the oil filter without putting the family chariot on a lift and using a special \$35 factory triple-hinged frammus wrench to reach it?

Remember when you chopped vegetables with a knife instead of a \$200 food processor? Or when you dug your garden with a spade, and shoveled your own snow?

People fixed radios, once upon a time, by identifying a problem and solving it with a new resistor, capacitor, or tube, instead of throwing away an entire circuit board in favor of a factory-fresh one.

I get a lot of satisfaction by finding "handy man's specials" at Hamfests or Garage Sales and restoring them to working condition. I also take pride in getting them to look as though they're brand-new or, at least, barely used.

I'm like many Hams. I don't throw away anything. I have a fair amount of capacitors, resistors, pots, knobs, project boxes and a whole lot of vacuum tubes.

I recently purchased a vintage Signal Corps Tube Tester from an estate in Hubertus a few weeks ago. While it doesn't check the newer 9-pin tubes, it makes up for it by being able to diagnose most of the old 4-pin types. Which may come in handy if I ever feel the urge to try and restore an old Atwater Kent!

I'm currently working on a vintage Hallicrafters S-95 "Civic Patrol" Receiver, which I'll bring to a future meeting for Show & Tell (It covers the

152 to 173 "Megacycle" band). This is one I purchased at Dayton before leaving the area Sunday morning. The vendor was asking \$40 and I got it for \$25. It looked good, but further inspection revealed a nightmare on Elm Street inside the chassis!



The previous owner was obviously a smoker. The interior was covered in that familiar brownish grime. The dial cord was broken and none of the tubes checked anywhere near "good". All four sections of the filter cap were bad and, of course, the pots were dirty and noisy.

This is all too familiar to most of the members of ORC, I know . . . but it's the type of project, for me, anyway, that's right up my alley. The radio is almost complete now. I'm just waiting for the replacement filter cap (or caps, more than likely) so I can proudly display it on my shelf in the Ham shack and probably never turn it on again!

THE BEER BATTERED BARBECUE

De Bob Truscott (W9LO)

This is chapter 2 of the ongoing saga of the FIELD DAY SLOPPY JOES. By way of review, it has been a tradition that a kettle of sloppy

joes would be left in the cook tent on Field Day Saturday night to feed the overnight operators and others who needed to stay overnight to keep the place running, and it was much appreciated by everyone involved. But the system hit a snag during the 2008 FD—when I finished an operating shift at midnight I found that the kettle was empty, and the people in the tent had a good laugh about that, saying that the kettle was empty by 7:30 that night. Nobody ever “fessed up” and admitted they had a snack before heading home for the night, but I’m sure that’s what happened.

This year at least a half dozen people came around to assure me that precautions had been taken to ensure that there would be plenty of the joes left to cover all shifts. I don’t know what those precautions were but they appeared to have been effective. I found the tent empty when I finished my operating shift at 4:00 AM, and sure enough, there was the pot, just waiting for a customer. Then disappointment set in—it seems the joes mixture wasn’t up to operating in the keep warm mode for so many hours because it was pretty well dried up and most of the good barbecue sauce had evaporated. Well, I was hungry, and didn’t like the prospect of going back to work in 2 hours with an empty stomach so it was time for a little improvisation. My first move was to search the tent for a bottle of barbecue sauce. I found none. Next, I considered water, but figured that would be a little too bland. I would have accepted brandy or vodka, but there was none available, so I went to the beer cooler and found the solution, a can of Miller Genuine Draft. I poured half of it into the joes mixture and drank the other half while stirring the new mixture. I let it simmer for about 20 minutes and then fixed myself a sandwich. It was delicious. A little while later some other folks came into the tent and made sandwiches to finish off the pot. Nobody made any negative comments so I guess we have a winner.

VHF & UHF

De Todd Sprinkmann (KC9BQA)

I just realized last week that we’ve celebrated the one year anniversary of the SSB and FM

nets on 2 meters. By now, you must all know about the Wed. SSB and Thur FM nets. Full details are announced every week on my website at <http://www.kc9bqa.com> All are welcome to listen along or say hello to the nets. The only purpose is to stir up activity on less-used portions of 2 meters. No formal agenda; stay as long or as little as you like.

Now that Field Day is behind us, the VHF gang is looking forward to what some consider to be the most fun contest of the year. Talking about the CQ WW VHF – 6 and 2 meter bands only. This contest runs from 1pm or 1800 UTC on Sat. July 18th until 4pm or 2100 UTC on Sun. July 19th.
<http://www.cqww-vhf.com/rules.htm>

Most of you readers have little experience with VHF contests. By now, you know I’m urging literally hundreds of “regular” (said with a smile) hams to give VHF and VHF contesting a try. Not just with ORC, but also via my website, and via email to many ham reflectors and clubs.

For a beginner, this 6 and 2 meter contest on July 18-19 is probably the most friendly option. Why? 1) Its only 2 bands, and it’s the bands that most hams have. 2) Its summertime, and that means the very real possibility of working an E skip opening on 6 meters, where contacts in the 600-1200 mile range happen often from roughly May thru August. You do not need a superstation to work a good strong Es opening. But you do have to get on the air! 3) This 6 and 2 meter contest benefits locally from some increased activity on FM, which many new VHF’ers have to use at first. (SSB mode and horizontal polarization is the norm with most VHF stations and contesting activity.)

If you already have an all-mode rig for 6 and/or 2 meters, then so much the better. All you need to do is add some sort of horizontal polarization antenna, such as a loop or halo. A Google search will help you here. Don’t ask me for plans; as I’m not a builder. I like things that work properly, LOL! Better yet, put up some sort of horizontal beam or Yagi. The longer the better. I’ve said this before; it bears repeating – getting distant contacts on VHF means going

for every last decibel. This is not like HF work, where you can throw up a wire and work the world. I'd encourage you to put up as much antenna as you can. A lot of hams have had decent results by using the plans shown when you Google WA5VJB Cheap Yagis.

Antennas are important to getting the most out of V/UHF, and so is having them up as high as you can safely get them. Also use quality feed-line so all of the signal gets to the rig. The antennas are far more important than the rig you use on V/UHF. A \$1000 radio into a 5 cent antenna is a recipe for disappointment.

Now if you want to stay more casual, that's fine, too, just realize you may not work as far as some other stations will. For the casual VHF contester, make plans for 2 activity periods that will help focus the activity across S WI and perhaps into adjoining portions of ILL and W MI. Let's make plans to use 146.55 and 146.58 FM, and vertical polarization between 9-11pm on Sat. evening and 7-9am on Sun. morning. Why those times? Because propagation on the V/UHF bands tends to be better later in the evening and early in the morning. This can be especially true nearer to the Great Lakes, which most ORC members can probably relate to.

It also is far less likely that the 6m band will be open via E skip during the late evening and early morning hours. Which means that more locals will be focused on 144 SSB and 146 FM. I'd also like to let newer contesters know that along with using 146.55 & 146.58 for FM (with vertical polarization) contest Q's, they can monitor 52.525, which is the FM calling freq. on 6 meters. 6 SSB is far more popular (call freq. is 50.125) but I hear there is some activity on 6 FM, especially when the band is wide open.

Now if we get a big turnout on 2m FM, like we did back in the January VHF/UHF contest, then don't hesitate to spread out a bit. Far better to have multiple callers on several channels, than have a huge pileup on one freq. If you want to spread out from 146.55 and .58, then go down between 146.40 and 146.49. Please note that contesting is prohibited on repeaters, as well as

the 146.505-535 freqs. This is to protect the 2m simplex call channel of 146.52 MHz.

When you are FM contesting on 146.55 and .58, leave your squelch as low as you can. This way when you call CQ, you won't be covering up light signals. You want to hear those light signals because they might be the distant grid you want for a new multiplier.

I will be putting out more info for new and experienced VHF contesters on my website – <http://www.kc9bqa.com>. Check there for frequent updates and more detailed tips on how to get comfortable with contesting. I can say far more on the website than I can in a once-monthly newsletter article.

Finally, if you have questions, I'm willing to help. I was brand new at this 6 years ago, and I found info somewhat hard to come by. I think VHF Contesting is a lot of fun but we need more participants. I'm at sprinkies@excel.net.

This FM contesting concept works if you talk it up with your friends. I hate dead contests and I imagine you do too. Make plans now for July 18-19, and urge others to get on.

CQ from the past

De Kim Burkhalter <yowlingowl@yahoo.com>

Hello,
CQ CQ WB9RQR. This is N9UBJ ... I've been off the air for years. My radio is somewhere in my Mom's stuff. How is everybody?

N9PBY, N9UNR, N9LLT, N9PMR, Skip and his son N9UBF? I'm sure there are plenty others I don't remember. Is there still an ORC in Grafton? RACES at the Justice Center?

I went to UW-Rock County and UW-Whitewater. I'm looking for a job and now live in Janesville. I've seen a bit more of the Vietnamese side of my family since I left the nest after graduating high school and left Saukville for Janesville.

Hope this reaches you well BYE.

My latest Restoration project!

By Bill Howe, KA9WRL

After purchasing an old mechanical keyer for \$10 (from the accumulation of equipment being sold for the benefit of ORC's Scholarship Fund) I decided that it was in too poor a condition to actually be used on the air, so I had two choices. One, re-sell the keyer, as is, for whatever I could get for it, or two, restore it so I could get some enjoyment out of it. I chose the latter.

The keyer didn't really look like a Vibroplex, but after a lot of research, I discovered that it was not only an actual Vibroplex, but that it dated between 1913 and 1916! It was at this point that I decided it was probably worth it to invest some time and money for its restoration.

I started by disassembling the keyer completely, after taking several digital close-up reference pictures for when it came time for its re-assembly. One of my better ideas, I must say.

My next plan of action was to clean all the nickel-plated parts with "Tarn-X", in hopes that it would magically shine like the day it was manufactured. Well, that didn't happen, but it did look much better. Some of the problem was the fact that there wasn't much nickel-plating left over the brass parts. Re-plating was going to be too expensive, so I settled for clean, instead of shiny.

The base of the keyer looked really bad. It was re-painted gray by its previous owner, with a brush. Rust was emerging from that paint job, oddly enough, so stripping, sanding or sand-blasting was my next plan of attack. I opted for the old wire brush, opposite on the shaft on my 10" grinding wheel in the garage. I took it down to bare metal.

After purchasing \$20 worth of gray primer and "hammered metal" black spray paint by Rustoleum, I spent a few days just on the base, while coating everything in the garage with a fine gray and black mist. I couldn't paint it outside because of the cold weather in early May. As a result, I had to polish my new red & white motor scooter while that "mist" was still in the drying stages. In the future I will cover everything in the garage I don't want spray painted in a color other than what it's supposed to be.

The paddle on the keyer was a reddish home-made fiber material, and mounted on the wrong side of the operating lever. I filled in both holes with modeling putty; let it dry and re-drilled it with the correct-sized holes and with the correct spacing, plus tapped the rear hole to accept the knob's threads. Then I painted the paddle black to match the knob.

After a few hours of re-assembling the keyer, which was a bit more difficult than expected (my pictures didn't include a few minor details), I decided to re-create the Vibroplex Logo plate, which was missing altogether. OK, maybe not an exact re-creation, but at least I needed some kind of plate where the original was mounted.

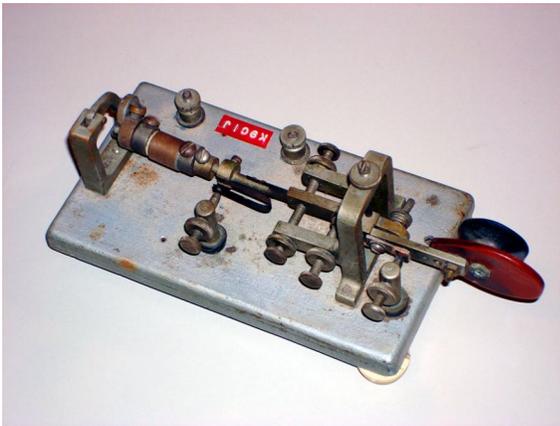
I measured the mounting hole spacing and went to Recognition Specialists in Grafton. I had downloaded the Vibroplex Logo, complete with its registered trademark, from the Internet and gave it to the "specialist" for screening onto the brass plate. We picked out the appropriate size and made two prototypes, one with red printing and one with black. I chose the black, to match the base and knobs.

This was all well and good, but still missing from the keyer were the weights on the vibrating arm. I needed to get the speed down from approximately 120 words-a-minute to about 20 words-a-minute! At the Dayton Hamvention I made it a point to find the Vibroplex booth and there I purchased their only remaining large weight for \$12. I also decided, even though I did a lot of work on the old paddle, to purchase a new paddle and a new knob, each \$5. They were kind

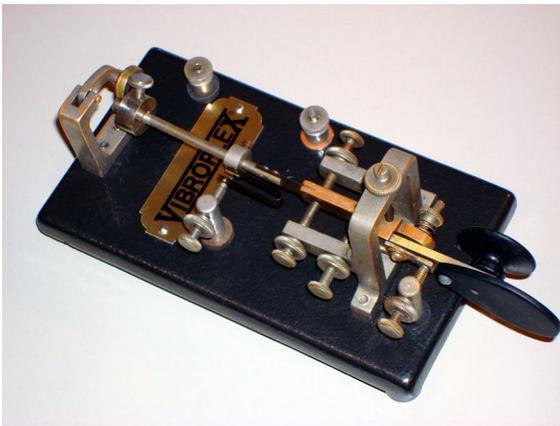
enough to through in the original screw that holds the paddle onto the lever.

The keyer is now pretty much complete and operates beautifully. Plus, it looks a lot better than it did originally. The only missing component is the tuning lever, which I'm sure I'll find at a Hamfest or a future Dayton Hamvention.

Below are the before and after pictures.



Before Restoration



After Restoration

P.S. "Do-it-best" Hardware is the only place on the face of the earth that has the rubber feet identical to what Vibroplex uses on their keyers!

Field Day 2009

Field Day activities got started with setup of the mess tent on Thursday evening but the real

start was Friday afternoon with setup of camps, operating tents and antenna.



The 40 meter phone station was perhaps the most easily set up with simply the positioning of the travel trailer. Ed Frac (AA9WW) and Jake (KB9ZOR) are shown with the portable tower Ed got at Dayton and which supports the center of a dipole. The 40 meter "kick ass" vertical is shown in the distance behind the tow vehicle.



Bob Truscott (W9LO) and Gary Sutcliffe (W9XT) expected rain and erected a second tent roof – it also minimized the sunlight inside the tent.



Mark Potash (KC9GST) constructed a special truck mounted motor driven 30' tower for the 6 meter station manned by Gary (N9UUR) and Jeananne (N9VSV) Bargholz.



Anthony Rich (NR9R) proudly showed his new bumper mounted crankup 30' tower used for his 15/80 meter rotating dipole.



Ken Boston (W9GA) was busy attaching the 2 meter and 70 cm antenna to the OZARES communications van mast under the supervision of Todd Sprinkmann (KC9BQA)



So how did it look from the air? Jim Caraway (W9LLL) took this picture of the layout from his Cessna 182 on Sunday morning. Notice the large area Lazy Days mowed for out benefit. Thanks Mr. Waters. Note the optimum antenna spacing – nice layout.



Stan Kaplan (WB9RQR) and Nancy Stecker (KC9FZK) were busy carving the turkeys and serving the dishes as the traditional Saturday evening dinner commenced. Jane Rediske (KB9SYI) was also instrumental in assuring a well fed group of campers.



It was Saturday afternoon and the competition was on as the West Bend News photographer got a picture of Jim Albrinck (K9QLP) operating 40 meters phone with Gabe Chido (WI9GC) doing the logging.



With the camps setup and most of the antennas installed it was time for the Saturday night card games. At this point Nels still had a few nickels remaining.



Julia (KB9WBQ) and Tom (AA9XK) were busy in the PR tent all Saturday afternoon. The visitors welcome signs made all the difference. We had 3 pages of visitors this year.



With the increased number of visitors Ed Rate (AA9W) was quite busy at the GOTA station. Here Ed is shown with the sister and niece of Paul Purgett (KC9NHD).



Jim Hilins (KA4UPW) and Leon Rediske (K9GCF) were quite pleased with the 20 meter activity and their high number of contacts. They again beat the 40 meter phone gang.



Gary Bargholz (N9UUR) did well on 6 meters this year and again, made a valuable contact via the satellite.

Thanks

The Saukville River Fest Committee would like to greatly thank the following ORC members who were gracious enough to take time out to help us at our cleanup, May 16, 2009! Members received lunch and a neat T-Shirt for their services. Thanks to:

AA9XK	Tom
WB9WBQ	Julia
KC9FZK	Nancy
WB9RQR	Stan
KA9DDN	Skip
KA9PZG	Cindy

It was a successful day and your services made our event even safer for our volunteers! Thanks again!

Cindy Douglas, Committee Person, KA9PZG

Hello all Radio Amateurs

De Ken Boston (W9GA)

I just want to extend an invitation to you to come to the suburbs of Chicago for the 43rd annual Central States VHF society's annual conference. If you have any interest in the VHF and UHF weak signal activities, this gathering is for you. This year the conference is being held

at the Elk Grove Village Holiday Inn, on Busse Road in the village of Elk Grove, Illinois, on the dates of July 23 through the 26th. (This is the motel where the annual W9DXCC conference has been held and the recent TAPR meeting last summer).

The conference starts with registration on Thursday evening, with a social gathering, and extends through Friday, with antenna measuring, preamp measuring and talks/seminars. Saturday, the seminars continue, and a banquet and prize drawing are featured Saturday night. Other features include a dealer display, of VHF/UHF goodies, flea market, and family program with tours of famous Chicago attractions, rover and antenna displays, and lots of socializing with familiar voices, so you can put a voice with a face.

Much more detailed information on this year's conference can be found at the website; <http://www.csvhfs.org>, including links to the motel for those who plan to stay the duration and a link to an online registration page for conference registration. Many in the Chicago land area may opt just to attend for the day on Saturday, but come and join us for the entire weekend if you can.

For more information, you can contact me here, at the address in the header, or please send an email to Kermit W9XA, who is this year's president and organizer. He can be reached at w9xa@yahoo.com

Upcoming Events

The program for the July 8th meeting is by Richard Wood W9JBE "Monster antennas".

The program for August 12th is by Stan Kaplan WB9RQR "Winlink2000 Basics"

July

- 8th ORC meeting- Monster Antennas
- 11th South Milwaukee Swapfest
- 11th-12th IARU HF World Championship
- 12th Fox River Swapfest @ Aurora IL
- 18th – 19th CQ WW 6 & 2 mtr. VHF Contest

- 19th KARSFEST – Peotone IL
- 23th OZARES
- 23rd – 2nd Airventure 2009 at Oshkosh
- 23RD – 26TH Central States VHF Society mtg. @Elk Grove Village Holiday Inn

August

- 1st North American CW QSO Party
- 1st – 2nd ARRL UHF Contest
- 9th Hamfesters Swapfest – Peotone IL
- 12th **Membership Meeting – Win Link 2000**
- ? **ORC Corn roast**
- 15th – 16th North American SSB QSO Party

September

- 12th **ORC Outdoor Swapfest**
- 6th North American Sprint – SSB Contest
- 9th **Membership Meeting** 12th-13th ARRL VHF QSO Party
- 12th – 13th Chicago FM Club Swapfest @ Belvidere @ Boone County Fairgrounds
- 18th - 19th W9DXCC convention at Elk Grove Village IL
- 24^h OZARES
- 26th – 27th CQ WW RTTY Contest

Club Static

We received word on Field Day of the passing of the former wife of Rick, (N9PMR) after a lengthy illness. She will be missed by Rick's children and grandchildren. Rick lost his mother recently, also. N9PMR is a past Repeater Vice President of the Ozaukee Radio Club.

I recently learned that Gene Szudrowitz (KB9VJP) fell from his roof in January while clearing snow and broke his arm in three places. He is using one of those magnet field bone healing devices and is "currently" on the mend while working at the Red Cross offices.

OZARES

De Stan Kaplan (WB9RQR)

The



Column

By Stan Kaplan (WB9RQR), Column Editor

We had no OZARES meeting in June, since most members participated in one way or another in Field Day. Yours truly had two responsibilities during FD weekend. 1. Cooking: Three turkeys for Fri night supper. A 7 a.m. Sunday breakfast of pancakes, eggs and sausage (with co-cooks Nancy, KC9FZK and Jane, KB9SYI) for the bleary-eyed hams who staggered out of tents in search of food. 2. Networking of the logging computers (with Doug, N9KG, author of the software we used). The network and software worked fine and we are in the process of analyzing and tabulating the data. Other OZARES members worked the airwaves, or helped with setup and tear down. Field Day, of course, is the largest emergency communications exercise in the world, and provides wonderful training in rapid, concise communications, as well as experience in setting up emergency communications under actual field conditions. Oh, by the way, the Mobile Communications Truck was there with mast on high as one of the operating positions during the weekend. Thanks to KA9DDN and N9PBY for ferrying it out and back.

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights (4th Thursdays). Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the latest check in list on the web site for possible hams to trade dates with, and keep the net manager (WB9RQR) informed of confirmed trades. Guests are always welcome after the OZARES check-ins are complete, *most especially ORC members!* By the way, if you see a difference between the schedule on the website and this column, this column will always be correct, since it reflects last minute changes and substitutions. Such changes and substitutions will be in bold print here if known at the time the column was prepared.

02 Jul	KC9FZK
09 Jul	AA9XK
16 Jul	N9XRU
23 Jul	Meeting
30 Jul	KC9BKA
06 Aug	W9BTN

13 Aug	KA9DDN
20 Aug	KC9FZK
27 Aug	Meeting
03 Sep	WI9GC
10 Sep	K9GCF
17 Sep	AQ9GT
24 Sep	Meeting

Minutes– June 10th, 2009

De Chuck Curran (W9POU)

The meeting was called to order by Club President Bill Howe KA9WRL at 7:30 PM. This was followed by everyone present introducing themselves.

Announcements:

- Tom Ruhlmann, W9IPR provided an update on the use of Navel Jelly for rust removal.
- Dave Barrow commented on Winlink, I did not record all details!
- Gary Sutcliffe, W9XT, shared with the group on passing the 1500 mark on DX contacts
- A variety of suggestions were made on using Brasso on plastic scratches, or peanut butter to remove adhesive tape residue and also brake fluid to remove paint from plastic. (No comments were heard on how to grow hair on a bald head.)

Program: Field Day 2009 was the main focus of the June meeting. Leon Rediske, K9GCF, provided a complete and thorough summary of the activities already planned or in progress. Some of the detail shared with the club was: Ken Boston K9GA will be covering 144-440 MHz, Paul KC9NHZ and Anthony N9NR will be on 15 & 75 SSB, Gary WI9M & Gary W9AWO will be handling 20 meter and 80 meter CW, Tom Ruhlmann will be struggling to handle 40 meter SSB, Bob W9LO and Gary W9XT will be on 40 meter CW.

PK Networking will be used during the Field Day Event for all logging activities. 12 copies were passed out at the meeting. Six Laptops will be in place dur-

ing the Field Day Event for logging. All software was provided by Doug Burghart, N9KG.

Terry Kohler is handling the power generators and is all set for the upcoming event. Two generators are available to handle the load.. All plugs will be identical, for easy interchangeability. Mark Potash is bringing the tower on a trailer. Gary W9XT is fixing a damaged beam, hopes to have it ready for Field Day. Tom will be bringing a ½ wave dipole and some thunderous vertical that has fantastic capabilities, if you check with Tom ---Gary, WI9M will also bring a doublet. Bob, WQ9N has donated a rotor for Filed Day use.

Friday night, please bring a dish to pass.

PR & Media: Paul is coordinating the media activities; an article has already been submitted to the Hartford Times and the Ozaukee and Washington County papers.

Fellowship Break: Dave, N9UNR sold the 50/50 tickets.

Auction: Stan Kaplan WB9RQR conducted the auction. Many items were sold to the group tonight.

May Meeting Minutes: Bill Howe asked if the minutes for the March meeting were acceptable, Dave Barrow motioned that they be approved as is and it was seconded by Gary WI9M. The club voted to approve.

Treasurer's Report: The treasurer's report was passed out to all and reviewed by Nels Harvey, WA9JOB. There is a + \$7,000 change partially due to the sales at Dayton. Dave Barrow motioned for acceptance; Doug N9GK seconded the approval of the treasurer's report.

Repeater Report: The group was told that the link is back in service. The Grafton Fire House main site died, so the spare was put into service. A new spare will be about \$100, it will be ordered. The money is already in the fund to cover this expense. 220 to 10 meter repeater has a problem; Nels said he will work on this issue to fix the problem. Dick Scarvaci will help Nels.

Adjournment: Kent Christiansen N9WH moved for adjournment. The motion was seconded by Gary, WI9M, and the motion passed with 100% voting in favor.

Meeting Attendance: Paul Purcett KC9NHD, M. Greenfield N9JIY, Pat Sullivan KC9LRK, Kate Holt KB0SIO, Dick Holt AB0UF, Mark Potash KC9GST, Naomi Potash KC9GSS, Nancy Stecker KC9FZK, Bob Truscott W9LO, Roger Zaun W9WVV, Ed Frac AA9WW, Stan Kaplan WB9RQR, Doug Burghart N9Kg, Gary Sharbuno WI9M, Dave Barrow N9UNR, Edward Rate AA9W, Kent Christianson N9WH, Gary Sutcliffe W9XT, Tom Murtaugh W9VBQ, Tom Ruhlmann W9IPR, Ray Totzke W9KHH, Ron Yokes W9BCK, Ray Brunette W9BUT, Bob Krubsack WQ9N, Todd Fast N9DRY, Mark Fielkow KB9PXE, Jim Albrinck K9QLP, Nels Harvey WA9JOB, Chuck Curran W9POU, Leon Rediske K9GCF, Terry Kohler KA9RFM, Robert Frank N9NRK, Bernard Baum KC9PQB, Bill Howe KA9WRL

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July 8, 2009

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Field Day –
Corn Roast -
11. OLD BUSINESS
12. NEW BUSINESS
13. 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, July 8th

7:30 PM



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

Volume XXVIII

August, 2009

Number 8

From the President

De Bill Howe II (KA9WRL)

How did you become a HAM? Once you got your license, was there someone that helped you through the vast selection of equipment choices? Offered some advice on putting up your first antenna? Or, maybe even introduced you to a Hamfest?

From time to time, the ORC gets calls from newly licensed Hams, and Hams that are new to the Milwaukee area. These people need a helping hand to steer them in the right direction. Anyone remember the "Welcome Wagon"? These people would welcome you to the neighborhood when you moved in. They'd make sure you knew where the grocery store and pharmacy were; give you the name and number of a reliable handyman and all the resources you could need to be comfortable in your new home. Like the US Marines: We're looking for a few good men (and women, please) to make themselves available to guide newcomers.

Here's where you get to help: If you have any expertise, or maybe you're just friendly, we would like to add you to a list of contact people. When a newcomer comes to our attention, we will ask you to contact them and welcome them. Dave Barrow, N9UNR, has volunteered to take this on already, but cannot be expected to do it all alone. I, of course, will do my part, but I suspect there are many others in the ORC who would like to see the club grow in numbers as well as resources.

73!

Bill, KA9WRL

Contesting

De Bob Truscott (W9LO)

The NORTH AMERICAN QSO PARTY (NAQP) CW was on Aug. 1. Fie on me for not making a noise about it in the July newsletter. I was in my "field day recovery mode" for several days, and just failed to get it done. Sorry about that. Anyway, it is one of my favorite contests and I had a great time for 10 hours. I was happy with the results, but would have been happier if I had a real 160 M antenna instead of the random wire that I used. Gotta do something about that one of these days. The only real disappointment was that I didn't work a single ORC member----guess that was my own fault.

The good news is that the SSB version of the NAQP will be on Aug. 15. It starts at 1:00 PM, local time and runs until 1:00 AM on Aug. 16. You may work 10 hours during that time. Get the rules at www.ncjweb.com. The bad news is that the corn roast is also on Aug. 15. But all that means is that some of us will be a little late in starting the contest.

Hope to see you all at both events.

CONTESTING TRIVIA

De Bob Truscott (W9LO)

During the recent NAQP CW contest I found something to add to my list of things that contesters should never do. It's quite common for CW contesters to abbreviate the CQ message at appropriate times by simply sending the contest name and their call. For example, NA W9LO, or FD W9LO, etc. That works just fine unless your call happens to have an NA prefix and you are working the NAQP. Then it comes out NA NA9XYZ, but it appeared in the call sign

field on my computer as NANA9XYZ, which made it very unhappy and cost the guy a contact. I wonder if he ever figured out that he was shooting himself in the foot. Rule #309: Eliminate confusion by making your messages short and easy to copy. You'll get more answers that way.

VHF & UHF Corner

De Todd Sprinkmann (KC9BQA)

The 6 meter DX season is fading away now. The best times for Sporadic E skip propagation are from May-July, with a definite peak in June/July. There may still be some openings in August, but they will tend to be shorter and less intense.

The good news is that we're heading into the best time of year for better conditions on higher bands like 2m, 1.25cm and 70cm. So far this summer, we've had abnormally cool and dry weather. This has really limited the number of good openings. DX or skip on the higher bands usually occurs with stagnant periods of hotter weather, when high pressure is parked overhead, or just to our east.

It just so happens that longer-range weather maps are showing potential for summer-like weather, and a better chance for nights and early mornings with better propagation. If you want to reach out a few hundred miles or more on 2m, or higher bands, here's some websites to keep track of. The first is:

<http://www.mountainlake.k12.mn.us/ham/aprs/p ath.cgi?map=na>

This map shows real-time paths between APRS stations on 2m. The past few days, the orange/red areas are expanding. The second link is:

<http://www.dxinfocentre.com/tropo.html>

These maps show *forecasted* conditions. As with weather forecasts, they aren't 100% accurate. However, just about any big opening where VHF'ers are working beyond the usual

100-300 mile range is indicated by wide areas of green or yellow or even orange on these maps.

I'm writing this article on Wed. 8/5, and for the past two days, these maps have forecasted a large opening for Sunday. When you use this website, know that the forecasts are updated daily about 1pm, so refresh for the latest info.

A third website is where you can view chat about actual contacts across the USA.

<http://dxworld.com/144prop.html>

It gets only sporadic use day-to-day, but during a big opening, you will see a definite increase in spots.

If you have any questions or want more info, feel free to email me – sprinkies@excel.net or ask the questions on the ORC Yahoo reflector. That reflector doesn't get nearly enough use, so don't be afraid to discuss ham radio on it!

The next VHF/UHF contest of note is the ARRL Sept. VHF QSO Party

<http://www.arrl.org/contests/rules/2009/sepvhf.html>

This is on Sept 12-13, and runs from 1pm Sat. until 10pm Sun. Operate as little or as much as you like on all bands from 6m on up. I'm also willing to help with any contesting questions you might have on the VHF/UHF side of things.

My weekly SSB net continues on Wed. nights. The best option for ORC members is 144.250 at 8:30pm. This net tends to get the most check-ins from SE WI and NE ILL.

Thursday is FM net night on 146.43 simplex, also starting at 8:30pm. I host these nets as an individual – the only purpose is to create activity on less-used portions of 2m. All are welcome to check in or listen along.

If you have an interest in VHF/UHF, remember to visit my website frequently. I update it 3-4 times a week with all the info you read here,

plus more. If you visit a few times a week, you'll get fresh content you won't find anywhere else. The address is <http://www.kc9bqa.com>

ORC Special Event Station -

August 15 and 16 de AA9XK

We are going to use our new VISITORS WELCOME signs again during the Port Washington Maritime Heritage Festival. The club will operate Saturday (the same day as the Corn Roast) and Sunday. We asked for a spot with a good view of all three Ozaukee County Lighthouses registered with the Amateur Radio Lighthouse Society as USA 652, USA 653, and USA 654. These lighthouses are better known as: the 1864 Light Station museum, the Army Corps of Engineers light on the end of the breakwater, and the "spirit" of the non-existent "North Pier head" light.

In 2007 the Ozaukee Radio Club was appropriately the first amateur radio club to "activate" these Ozaukee County lighthouses!

We think with the new VISITORS WELCOME signs we will draw many festival goers to our booth to promote the club during what is becoming one of Ozaukee county's biggest festivals.

Come to the August 12th meeting to get the final details on the site and sign up for an operating time.

New Members

Michael Richter (KB9WNS) is one of our newer members in the ORC. While he lives in West Bend he grew up in Milwaukee where he attended Madison High School, MATC and MSOE.

Michael worked for several years for AT&T wireless in network optimization and more recently for Custom Power Tech in Menomonie Falls and Eaton in Milwaukee.

He has always been interested in electronics and his early interest as a SWL and CB'er spurred him on into amateur radio. Michael got

his first license in 2000 and currently holds an Extra class license.



Michael Richter (KB9WNS)

His primary rig is a Yaesu FT847 that he uses mostly on 20 and 80 meters SSB using wire antenna. That rig also does 2 meters and he runs a 400 watt "brick" on 2 to make sure he can check into the Milwaukee nets.

Michael has already been active in ORC activities and you may recall visiting with him at a meeting or at field day. Welcome to the Ozaukee Radio Club Michael.

Scholarship Program

De Ed Rate (AA9W)

Many thanks to the volunteers who responded to the call to take the Knaus tower down on July 31. At the site bright and early were Gabe WI9GC, Nels WA9JOB, Jim K9QLP, Mark AB9CD, Phil Gural W9NAW and Ed AA9W. Phil did the tower climbing duty for the club. While one team worked with the tower, others took down the big satellite dish. The job was completed in about four hours and the site was left in good order. The tower and rotor have been sold and delivered. Other antennas that were on the tower are available for sale.

The Scholarship program has received a large donation from the Paul R. Smith AB9CT estate. On Saturday, July 25 and Sunday July 26, Nels

WA9JOB, Tom W9IPR, and Ed AA9W picked up the donated equipment. The large donation consists of radio receivers, transmitters, test equipment, tools, component parts, and audio equipment. Many high value items like Collins, Hammarlund, Hallicrafter, and National are among the manufacturers on the list. Photos will be available at the next ORC meeting.

Ed AA9W erate@milwpc.com

Junk Box Product

De Tom Ruhlmann (W9IPR)

I have recently become interested in doing some restoration of "boat anchors" that I had lusted for as a kid. One precaution to take when reactivating an old radio is to increase the supply voltage from perhaps 50 to 120 VAC over a couple of hour period to reform any dry electrolytic filter capacitors in the power supply.

For this purpose I had an old "variac" but it had a two wire cord and receptacle and no real leakage current protection or metering. To upgrade this old "variac" I went to my junk box.

In my junk box I found an old test equipment box, wall switch, pilot lamp, GFI receptacle, a couple of meters and new line cord. Everything I needed plus a few hours to make the useful variable AC power supply seen below.

Both the meters were to read 130 VAC so I figured to convert one to read AC amperes. Then I discovered that the meters had DC movements and used a diode to convert the AC to DC. Due to the diode voltage drop the meter is useless with a shunt but it still looks good. Now to find a matching replacement AC ampere .meter.

The net result is an item of useful test equipment with GFI protection down to about 80 VAC and a smaller box of "good stuff".



A variable AC Voltage Power Supply using "junk box" parts.

For Sale, Trade or ?

We have just received a large donation of equipment to our Scholarship Fund. In accordance with our by-laws, ORC members are given first opportunity to make an offer to purchase donated items before a general sale.

Prices for most items have been established based on current eBay completed sales. Offers to purchase have been received on some of the items.

RECEIVERS

R388	Collins	\$300
75-S1	Collins	\$300
R390A	Collins	\$600
SX-28	Hallicrafters	\$175
SX-71	Hallicrafters	\$75
SX-42	Hallicrafters	\$245
SX-101	Hallicrafters	\$179
SB-300	Heathkit	\$180
NC-109	National	\$81
FRG-7	Yaesu	\$215
S77 A	Hallicrafters	\$60
Sky Champion	Hallicrafters	\$60

TRANSMITTERS

IC-718	ICOM	(HF)	\$450
HW-8	Heathkit	(QRP)	\$135

TEST EQUIPMENT

Tube Tester Mdl 151	Accurate Inst. Co.	\$25
Grid Dipper (no coils)	Heathkit	\$10
RF Sig. Gen.	Knight Kit	\$15

There is much more but these are the big items. If you are interested in making an offer, please email me soon at etrade@milwpc.com

73 Ed AA9W

Remembering

De Joe Sturmberg (KA9DFZ)



Upcoming Events

August

1st North American CW QSO Party
 12th **Membership Meeting**
 15th **Maritime Heritage Festival @ Port W.**
 15th Bolingbrook Swapfest @ Bolingbrook IL
 15th **ORC Corn roast**
 15th – 16th North American SSB QSO Party
 15th Racine Megacycle Freefest @ Sturtevant

September

12th **ORC Outdoor Swapfest**
 6th North American Sprint – SSB Contest
 9th **Membership Meeting**
 12th-13th ARRL VHF QSO Party
 19th W9DXCC convention at Elk Grove Village IL
 24th OZARES
 26th – 27th CQ WW RTTY Contest

October

14th **Membership Meeting**
 17th – 18th **JOTA Boy Scout “on the air” Weekend @ Pioneer Village**
 22rd OZARES
 24th – 25 CQ DX WW SSB Contest

Programs



Richard Wood, W9JBE presented an informative program at the July meeting about his monster rhombic antennas

At the August meeting Stan Kaplan (WB9RQR) will present “An Introduction to Win Link”.

Repeaters

Nels Harvey WA9JOB

Things have been pretty quiet lately on the Club's three repeaters. There is almost no activity on the 443.750 MHz. repeater. The 224.18 MHz repeater chugs along with a select core of users there, and the 146.97 Mhz. repeaters remains fairly quiet on most days.

One thing I have noted recently is an increase of short 'key-ups'. This causes the repeaters to ID, then go quiet again. Yes, the repeaters are working! Instead of just keying up the repeaters, why not put your call sign out there (as required by the FCC)? You might be surprised by how many times you will get an answer.

The controllers we use have a feature called a 'kerchunk filter'. I turned the feature on recently and a curious thing happened. The repeater wouldn't respond normally to a short key-up, but the transmitter would be activated anyway. This is due to the circuit I used for the cross band convenience, and elimination of the squelch burst on transmitter shutdown. I had to turn the 'kerchunk filter' off to be in compliance of the FCC rules. Before I did however, I was hearing complaints of the ID not working! Of course this came from the very ones doing the 'kerchunking'!

The repeaters are there for you to use. Just don't forget their goal is also to be available for emergency communication. By normal use we are able to assess their proper operation. It also is good for each operator to reassure that their radios are functioning properly. You're welcome!

73,



So when do we have too many mobil radios?

The



Column

By Stan Kaplan (WB9RQR), Column Editor

This is the last OZARES Column! Emergency Coordinator Mike Yugas (AB9ON) has requested that we go back to a separate OZARES Newsletter, rather than this short column. WB9RQR will be the editor.

Our last meeting (23Jul) was a busy one. We discussed National Weather Service-Sullivan issues, and the Time/ Location/Condition/Station-style check ins during both OZARES and NWS nets. We hashed over the need for more Mobile Communications Truck (MCT) driver training, and Mike appointed a committee to look into repair/replacement of the MCT generator. The statewide Simulated Emergency Test (SET) was announced (3Oct). District Emergency Coordinator Jon Gilmore (KB9RHZ) spoke a bit about putting ham equipment in nursing homes. The appointment of Skip Douglas (KA9DDN) as AEC for Policy and Procedure was announced. We trained by testing HTs on 147.33 and 443.525 MHz, and a number of simplex frequencies we use. We tested the pagers. And the new Ozaukee County Emergency Manager, Mark Owen, was introduced and welcomed.

On 27Jul, we had a real WX net. Storms barreled into the state from points west, and threatened to stir things up in Ozaukee County. AEC for WX Nancy (KC9FZK) and Cindy (KA9PZG)

activated the tree, including pagers, and Brooks (KC9IOL) took the Net Control position. Besides Brooks, those checking in included KC9FZK, WI9GC, AA9XK, N9SFG, KC9GJD, N9SQA, KA9PZG, W9KHH, W9BTN, KA9DDN, WB9RQR, KC9BKA, KC9LMS (Wash Co ARES) and AB9ON, for a total of 15 standing by and ready for assignment. Ma Nature cooperated a bit, though, and no severe conditions were reported. We were staffed and ready, though. Thanks to those who participated.

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights (4th Thursdays). Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the latest check in list on the website for possible hams to trade dates with, and keep the net manager (WB9RQR) informed of confirmed trades. Guests are always welcome after the OZARES check-ins are complete, most especially ORC members! By the way, if you see a difference between the schedule on the website and this column, this column will always be correct, since it reflects last minute changes and substitutions. Such changes and substitutions will be in bold print here if known at the time the column was prepared.

06 Aug	W9BTN
13 Aug	KA9DDN
20 Aug	KC9FZK
27 Aug	Meeting
03 Sep	WI9GC
10 Sep	K9GCF
17 Sep	AAQ9GT
24 Sep	Meeting
01 Oct	KC9IOL
08 Oct	W9IPR
15 Oct	W9KHH

22 Oct	Meeting
29 Oct	WB9RQR

Minutes– July 8th, 2009

De Chuck Curran (W9POU)

The meeting was called to order by Club President Bill Howe KA9WRL at 7:32 PM. This was followed by everyone present introducing themselves.

Announcements:

- Bill Howe brought up a point about a Michigan radio club that disbanded. It disbanded due to a lack of interest in anyone in the group assuming a leadership role in that club. The unspoken point is clear, if we want the OZR to continue in a strong manner, we all need to make sure we make a solid contribution.

Program: Richard Wood, W9JBE presented a wonderful presentation on Monster antennas. Richard. Had built a two element quad and erected it in 1985. In 1987 Richard purchased a kit for third and fourth elements, and finally erected them during the summer and fall of 2008. Many excellent photographs were provided and it appeared that a great antenna is now in place and 100% functional.

Fellowship Break: Dave, N9UNR sold the 50/50 tickets. Gary, W9XT won the raffle.

Auction: Stan Kaplan WB9RQR conducted the auction. Many items were sold to the group tonight.

May Meeting Minutes: Bill Howe asked if the minutes for the June meeting were acceptable, Dave Barrow, N9UNR, motioned that they be approved as is and it was seconded by Mike Yuhas. The club voted to approve.

Treasurer's Report: The treasurer's report was passed out to all and reviewed by Nels Harvey, WA9JOB. The printed report had a \$24.58 last minute change. The Field Day expenses were totaled at \$387.32, which was well within the budgeted constraints. The Treasurer's report was motioned to be

accepted as presented by Ed Rate, and seconded by Stan Kaplan.

Repeater Report: Nels indicated that our repeater site was hit by lightning. The breakers for the 220 MHz and 146 MHz repeaters tripped and many fuses were blown. One of the switching power supplies died as a result of the lightning hit. 10 meter radio needed a new fuse and will require additional work. This is the one tied into the 200 MHz link. The 2 meter receiver is not working well; it lost quite a bit of sensitivity. A replacement will be installed as soon as it can be purchased.

Light House Event: This event comes up on August 14, 2009. Tom Nawrot described some of the details associated with the Light House Event. More to come at the August meeting.

Corn Roast: On Saturday, August 15th the OZR Corn Roast will be held. A variety of games to be held were discussed such a Bong Ball and others. Nels has beer & the Corn Roast will be held at Waubedonia Park. Mike Yuhas has been talked into cooking the Brats, and the picnic will be starting at 11:00 AM

Club Rosters: Dave Barrow announced a printing error in the new club rosters. A new copy will be printed and released at the next club meeting in August.

Old Business: Leon Rediske, K9GCF, gave a big "Thank You" to all who had helped during the Field Day effort. Some sad comments were made about a 40 meter vertical, not sure by who----- . Tents for Field Day 2010 were discussed. GabeChido, WI9GC, 3 were available in the barn, all were good tents. One will be set up and inspected. ORC board will decide on any needed purchases of new tents, after the inspection is completed.

Tom Ruhlmann graciously presented a 12 pack of Miller Beer to Bob Truscott, W9LO, after acknowledging the fact that some strange 40 meter vertical had some issues during Field Day.

Adjournment: Stan Kaplan Wb9RQR moved for adjournment. The motion was seconded by Dave Bar-

row, N9UNR, and the motion passed with 100% voting in favor.

Meeting Attendance: Bill Howe KA9WRL, Dick Holt, AB0UF, Kate Holt, KB0SIO, Nancy Stecker, KC9FZK, Mark Potash, KC9GST, Naomi Potash, KC9GSS, Gary Sutcliffe, W9XT, Ray Totzke, W9KHH, Joe Sturmerby, KA9DEZ, Bob Truscott, W9LO, Jeff Alper, WB9PZD, Peter Chow, AF6DS, Julia Nawrot, KC9WBQ, Tom Nawrot, AA9XK, Stan Kaplan, WB9RQR, Gabe Chido, WI9GC, Ed Rate, AA9W, Jim Albrinck, K9QLP, Nels Harvey, WA9JOB, Leon Rediske, K9GCF, Lou Schule, N9LOU, Dick Wood, W9LKE, Michael Richter, KB9WNS, Mike Yuhas, AB9ON, Mark Fielkow, KB9PXE, Todd Fast, N9DRY, Chuck Curran, W9POU

AGENDA

August 12, 2009

1. Call to order – Bill Howe (KA9WRL)
 2. Introductions.
 3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 4. Program: Stan Kaplan (KB9RQR) – Introduction to WinLink
 5. Fellowship Break
 6. Auction.
 7. Acceptance of Minutes as printed.
-
8. Treasurer's report – Nels (WA0JOB).
 9. Repeater report – John (W9NRG)
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Corn roast –
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Sept. Swapfest -
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AMATEUR RADIO

ORC Repeaters on 146.97, 224.18 and 443.750 MHz -
Callsign W9CQO Web site: www.ozaukeeradioclub.org

Volume XXVIII

September, 2009

Number 9

From the President

De Bill Howe II (KA9WRL)

The Ozaukee Radio Club is similar to most Radio Clubs in the country, I suspect. The turn-outs at the meetings are average to good, but operating activities are usually attended by the same small group of members!

For a large group, like the ORC, that's not too critical. The larger the membership, the larger the active group within the club.

The reason I'm bringing this up is because of an event that's going to take place the last weekend in September. It's the "Great Lakes Centennial Jamboree" on the EAA grounds in Oshkosh.

My other club, LeFrog, has volunteered to do the Ham Radio demo for the Scouts attending this jamboree. This large encampment (over 2,800 Scouts) is only held once every 6 or 7 years and this year is Scouting's 100th anniversary! This is LeFrog's 3rd effort with the GLCJ.

LeFrog is a very small club and, as a result, the turnout for our operating activities is even smaller. That's where the ORC comes in. We simply need help in pulling this off.

The ORC and LeFrog have operated side-by-side for J.O.T.A. (Jamboree On The Air), Swap-fests, the Lighthouse event and Parkside Elementary School demonstrations. Let's do it again, in style, at the EAA!

The plan is to start setting up Friday, September 25th at Noon. Some of us will be camping on the site while others may want to drive back

to Milwaukee and return for the activities Saturday morning.

The many events are scheduled for all day Saturday with a stage show "in the woods" Saturday evening. We can pack up Saturday after the activities and those who would like to stay for the show can certainly do that.

It's a great event and what better way to promote Ham Radio!

VHF & UHF Corner

De Todd Sprinkmann (KC9BQA)

The last V/UHF contest for the season is only a week away. The ARRL September VHF QSO Party is on Sept. 12/13th and all bands from 6 meters on up are in play. Link to rules: <http://www.arrrl.org/contests/rules/2009/sepvhf.html>

Last January, many ORC members, along with concentrations of stations in the Milwaukee, Sheboygan and La Crosse areas combined to make a VHF/UHF contest very active and enjoyable. Most of this occurred on the less-used FM simplex portions of 6m, 2m, 1.25cm and 70cm. I still smile thinking about how well that worked.

Since then, we tried hard for a similar effort in the June contest and it was an utter failure. Perhaps folks are just too busy during summer. Whatever the case, I'm not going to invest the energy I previously did unless I hear of some interest from more than 2 or 3 ORC members. I don't mind putting out the effort, but I have to see some reciprocal enthusiasm. Even email or discussion on the ORC reflector about what you would like to see would be most welcome.

I'm always looking for learning opportunities.

The good news is that on the SSB side (where 80-90% of VHF/UHF contesting fun is had) we've had solid numbers all summer. So across WI/IL/IA/MN/MI, the effort to promote more activity on VHF is working.

As always, I encourage anyone with even light interest in V/UHF to invest a few minutes a week at my website <http://www.kc9bqa.com> Every week, I announce the weekly nets, and type up post-net reports that indicate who all got on from where. Then during contest times, we make a special effort to stir up more activity.

For those who are used to thinking of contests in HF terms, there's no comparison to V/UHF contests. The activity levels are lower, the pace is more relaxed and we can always use more participants, whether you're a total beginner or intermediate-level. Anyone with interest is urged to contact me directly, and I'll help you get where you want to go.

Since some of you probably don't check my website or the ORC Yahoo remailer, you need to know about the following sprints which will occur in September and early October. The sprints are one-evening, one-band events where we get on 144, 222, 432, 6 meters and see who all we can work during a 4-hour period. These are quite relaxed, and newcomers are welcome. In the evening, it's not unusual to get good propagation and even modest stations may work out 100-300 miles.

The 144 fall sprint is from 6-10pm on Monday, Sept. 21st.
222 sprint same time on Tuesday, Sept. 29th.
432 sprint same time on Wed., Oct. 7th.
50 sprint same time on Sat. Oct 24th.
The link for full rules: http://www.svhfs.org/fall_sprint_rules_2009.pdf
Due to column restrictions, don't omit that final "f" on the 2nd line.

Those of you who have no idea what is possible in times of tropo enhancement missed a whopper of an opening on 2m from Sunday evening Aug. 23rd thru most of Tuesday, Aug. 25th. A

duct set up from roughly KS/MO/IL/WI into the northeast, New England and even adjacent Canada. 100's of Q's were made over 400 - 1100 mile paths. Not all were made by super-stations, either. A local friend N9NDP out of Kenosha worked into Vermont on 2m SSB, with a 5-el quad up 30' and 150 watts out. I'm sure some of you noticed skip on repeaters or simplex. I was on vacation, sigh. It was a nice vacation, though.

Lighthouse Weekend

Bill Howe, KA9WRL

The weather for the Lighthouse Weekend was typical for Wisconsin. It was warm & sunny, it was cold & overcast, it was calm & dry and, of course, windy and wet!



The lighthouse station on the hill at Port Washington was the site of our special event station

The ORC and LeFrog combined efforts to make the Special Event weekend a success, despite the weather. While locals and tourists enjoyed the music, food and Tall Ship experience at Rotary Park, others braved the road construction on St. Mary's hill and visited the historic 1860 Lighthouse.

This was our 2nd year operating on the grounds just east of the Lighthouse. While we didn't get the exposure we had in the past in Rotary Park, we did get the peace and quiet needed for good 2-way communications. Of course, we would've

preferred to be amongst the throngs at the lake-front, for Public Relations reasons.



Tom (AA9XK) and Tom (W9VBQ) had some very curious onlookers.

Tom Nawrot, AA9XK, Julia Nawrot, KB9WBQ, Loren Jentz, N9ENR (a new ORC member), Tom Murtaugh, W9VBQ and I operated the Special Event station from Noon 'til about 4:30pm on Sunday. Our equipment consisted of Loren's ICOM IC-736, Heil Gold line Mic with Footswitch, Bencher Straight Key and Paddle, Tom Ruhlmann's Clear Speech Speaker, my Bird Wattmeter and LeFrog's 20m Dipole (as an Inverted V) supported by LeFrog's 28' Military Fiberglass Mast.

Our first 3 contacts were with other Lighthouse Special Event stations and throughout the afternoon we managed to work 2 others, then a station reporting numbers for 4 Lights (2 US & 2 Canadian)! This totaled 9 Lighthouse-to-Lighthouse contacts!

Other contacts included stations like the Navajo Code Talkers Special Event in Window Rock, Arizona plus various QSO's around the U.S. and Canada. We tried a few times to log some DX, but the pile-up's were relentless.

All in all it was a great weekend, starting with the Corn Roast and ending with the Lighthouse Special Event. Thanks to Tom & Julia Nawrot for organizing the Lighthouse event. Maybe next year we can entice more members to get

involved. After all, we do have the technology to set up more radios and antennas!



Tom (AA9XK), Bill (KA9WRL) and Loren (N9ENR) had a great time with Loren's IC736 station operating portable in the sun with a view of the tall ships.

Corn Roast 2009



Stan couldn't make it this year and Past President Mike Yuhas (AB9ON) took over the grilling duties producing some really great burgers and brats.



Bob Truscott (W9LO) and Gary Sharbuno (WI9M) take a few moments with a corn and a beer to discuss the field day CW performance.



There was a nice crowd with much visiting, plenty to eat and refreshments abound.



Some (Ed Rate and Julia Nawrot) snuck away from the tables to have a second, third or ? of the really great Mequon corn which was boiled and buttered to perfection.



There was much to do after lunch including ladder ball as played here by Pres. Bill Howe (KA9WRL) and Gary Sutcliffe (K9XT), bingo with prizes as called by Julia Nawrot (KB9WBQ) and a transmitter hunt as conducted by Leon Rediske (K9GCF).

HISTORY OF THE ORC CORN ROAST

De Bob Truscott (W9LO)

The question of why we call the corn roast a ROAST, when it's obviously a corn BROIL was asked recently. And for every question there is always at least one answer. Here's my recollection of the why.

Back in the early days of the club, somewhere about 1965, Hal Giese, W9RXJ, suggested that a corn roast would be a nice social event which would be a fun thing, and would bring the club members closer and present an opportunity for us to get to know each other a little better. Everyone thought it would be a good idea, so we did it.

The members got together somewhere, I don't remember just where, Hal brought the corn, somebody else brought the brats and burgers, and 3 or 4 people brought the beer. We all brought our families and had a heck of a good time. We had a charcoal burner, and laid the corn out on a grill above it, just as we now do for the brats and burgers. So we actually did have a corn ROAST. The only problem was that the ratio of corn to beer was a little lopsided, and as a result the corn chef got a little careless with his duties. Some ears got turned over too soon, some too late, and some not at all. So what we ended up with was a bunch of ears that were charred on one side and raw on the other, to varying degrees, depending upon how many distractions the chef encountered.. This went on for a number of years because we couldn't seem to control the corn to beer ratio.

Then one summer Ralph Evans, WA9UDZ and Dick Hugi, KC9CJ, took a 60 gallon drum to Ralph's back yard and cut it up with a welding torch to make the cooking vessel that we now use. They did a fine job, and the corn has been much better ever since. But what the heck, Corn Roast is a much sexier name than Corn Broil, so we kept the name.

Bob, W9LO

Elmer? Who's He? Getting a license the hard way

De Bob Gorjance (W5CFB)

"Back in the day" (seems like it was only a short time ago) in 1952 while walking to Junior High School, I made a new acquaintance. He invited me to his house where I noticed a Hallicrafters S-38 receiver. He told me that he could hear "hams on it". He even had me listen to CW. I mentioned that we should study so we could get our licenses. We started learning code, and then got the study guides for the written test. A few months later, I heard that "Uncle Charlie" was coming to town the next week to administer tests and told my friend to get cookin!

I began studying the written every day. I went down, took the test and passed it. My friend didn't test and had to wait three more months for the next test cycle. He passed and we really got into radio. I got a Heathkit AT-1 xmtr and the AR-2 rcvr for Christmas, and my buddy got a Harvey Wells TBS-50C. This was back in 1952. We have been hams and best friends for all these years.

Now for the bad news. Within a 1/3 mile radius of my house lived 6 hams! Four of us were located in roughly about 100 yards of each other. When things were poppin, the local QRM was truly incredible. Key clicks, AM sidebands, and shortly after getting my General, SSB reared its ugly head. It sounded terrible after listening to that great sounding AM. Now we complain about AM, go figure!

Calls held - WN5CFB - W5CFB - DL5GR - W9IYM - and back to W5CFB with the vanity program. What a ride!

The start of a rover station -

- Part One

De Mark Potash (KC9GST)

This past spring, I decided to build a rover station. My enthusiasm for creating this station was spiked by Todd Sprinkman's KC9BQA interest-

ing and exciting e-mails and website. After listening to his nets, I felt that he could provide the resources and mentoring which would allow me to pursue this project at my own pace. I planned to pursue this project as far as my abilities would lead me, and then rely on the help and expertise of all the people that were offering their time and energy to answer questions I could not resolve by myself.

This rover station project intrigued me on many levels. I liked the idea of operating mobile, and being able to set the truck up for contest weekends or trips. Also, I could use the equipment at our existing QTH, have the ability to store all the equipment (if we move to a condo), and easily move it all to another location (field day or a demonstration).

I decided to begin my rover station by building the antenna and antenna support first because I don't have any radio equipment for the vhf and uhf bands other than my 2 meter fm mobile. I started the project by utilizing a used man lift which I had purchased a few years earlier.



The first step was to get the lift operational and remove all the extra parts that I didn't need. I started a log book to keep track of all the information that I found out about the lift. My entries included part numbers, wiring diagrams, dimensions, parts that I added, sketches of parts that I fabricated, and ideas I had as I was working on it. It took some time to figure out how to get the lift operational. I was fortunate to be able to call

on Terry Koller, KA9RFM. When I got stuck on a problem, he would come over and straightened me out.

There were many essential elements that I wanted to accomplish in this project which included:

- A complete unit wired to the truck without any additional work or assembly. This meant that everything would be pre-attached to the lift.
- A quick connection to the truck that could be accomplished by one person while using the truck as a counter weight.
- The unit would travel in a compact position on the truck allowing for the operational location to change without the operator having to get out of the truck.
- The lift centered on the truck so to allow the maximum beam length without overhanging the truck.



Next, I mounted it in the truck with an attached rotor and a 2 meter and a 440 beam antenna. Additionally, I added an aluminum angle for mounting omni directional antennas that I would build in the future. By this time, I was pretty far along and needed a reality check and some good input. I called Tom Ruhlmann, W9IPR, and asked if I could show him what I was working on. He gave me some good ideas and encouragement. I am working on one of his ideas

which is a way to change the polarization of the antennas automatically. .

Meanwhile, Field Day was getting closer, and I needed to determine the number of towers each band captain wanted to use. I asked Gary N9UUR and Jeananne N9VSV Bargholz if they would consider putting their 6 meter beam on the lift. We met so they could look at it to see if it would work. They agreed to use the lift, and gave me some input and ideas to consider

Subsequently, I made a few changes for using it at field day. I put a stub pipe in the rotor since we weren't driving with the beam in place. This let us add a taller vertical pipe into the stub pipe and got the beam height up to 47 ft. (as a rover it would be at 42 ft. and travel at under 9 ft. when driving.) Additionally, I removed the fixed angle so it would not cause interference (will be replaced with a fiberglass angle) Also, they did some testing while they were operating. In addition, I have installed a power strip to plug in the radios and equipment. I also installed an inverter to handle the rotor control and the computer for logging. Currently, I'm fabricating a plate to bring the coax in the sliding glass window.



Mark's rover "man lift" tower as used with a 6 meter beam at field day

I had a great time showing it off and being able to have it used at field day.

Thanks to everyone for looking it over and offering ideas. It was a nice experience being able to ask so many club members for advice,

and a great example of what I hope ham radio will always be about.

Now on to the inside of the truck, that will be part-2.

Junk Box Product



Stan Kaplan (WB9RQR) took a few moments at the meeting auction to explain some of the intricate details of the Discone antenna he fabricated from the lampshade his wife Nancy (KC9FZK) was discarding.

Upcoming Events

September

- 6th North American Sprint – SSB Contest
- 9th **Membership Meeting**
- 12th **ORC Outdoor Swapfest**
- 12th Chicago FM Club Swapfest @ Belvidere @ Boone County Fairgrounds
- 12th-13th ARRL VHF QSO Party
- 19th W9DXCC convention at Elk Grove Village
- 24^h OZARES
- 26th – 27th CQ WW RTTY Contest

October

14th Membership Meeting

17th – 18th JOTA Boy Scout “on the air”

Weekend @ Pioneer Village

22nd OZARES

24th – 25 CQ DX WW SSB Contest

25-27 BSA Jamboree @ Oshkosh

November

7st – 8th ARRL November CW Sweepstakes

11th Membership Meeting

21st–22nd November Phone Sweepstakes

28th – 29th CQ WW CW DX Contest



De Joe Strumberg (KA9DFZ)

Minutes— August 12th, 2009

De Chuck Curran (W9POU)

Tom Nawrot AA9XK opened the meeting at 7:30 PM. Tom asked for the group to introduce themselves, and also make two statements about themselves, one true and one false. The group could then speculate on which was the accurate statement.

ANNOUNCEMENTS:

- Bob Truscott, W9LO shared with the group the pending SSB Phone contest.

- Jon Gilmore KB9RHZ mentioned the Amateur Radio activity that will be present at the upcoming State Fair. Check out booths 1412 and 1414 for more excitement.
- Stan Kaplan, WB9RQR, showed the group a Discone Antenna made from the frame of an old lamp shade. Very clever use of this material resulted in two antenna's that were later offered at the nightly auction.
- Ed Rate, AA9W, announced that he had received mail from Elna, NY in regards to an Electro-magnetic pulse conference, being held 9/8 through-9/10
- The Washington County ARES Group will have a meeting and this will help to fill in the action in Washington County.

NIGHTLY PROGRAM

Stan Kaplan, WB9RQR provided an introduction for the club in regards to WINLINK 2000. A Power-Point presentation was presented reviewing the details of the WINLINK 2000 operating system and requirements. Lots of interests and questions during and after the presentation, a great program.

BRAT & BURGERFEST

The planned Ozaukee Radio Club Corn roast Brat & Burger fest was announced. It will be held on Saturday, August 15, 2009 at the Waubedonia Park. Dave Barrow N9UNR has already sent out detailed maps for the exact location. A great help to all! A sign-up sheet was circulated for those planning on attending.

Equipment Donation

Ed Rate, AA9W, announced that the Ozaukee Radio Club had received another donation of equipment. Ed provided many pictures of what had been donated and would be on sale. This lot included Ham equipment, along with audio and test gear.

Raffle & Auction

Chuck Curran, W9POU won the nightly raffle. Stan conducted the nightly auction and the Discone antennas were sold, and a variety of other interesting electronic items.

MEETING MINUTES

Tom Nawrot requested a motion to approve the minutes. Mike Yugas moved for the approval. A correction was required in two areas, after the correc-

tion, the minutes were approved by the attending group.

TREASURER'S REPORT

Nels Harvey, WA9JOB, provided the treasurer's report. A printed summary of all of the transactions since the last meeting was circulated to the group for review. There is currently \$12,616.17 available for Ozaukee Radio Club operations. Ed Rate, AA9W, moved to accept the minutes; the motion was seconded by Stan Kaplan, WB9RQR

REPEATER REPORT

Nels Harvey, WA9JOB shared with the group that someone has been keying the repeater, but never actually talking. It is hoped that the individual will start to talk in the next few weeks! All the equipment is now back to normal, with everything functional at this point in time.

FIELD DAY REPORT

Leon Rediske, K9GCF, provided a very comprehensive Field Day summary. A great time was had by all participants and respectable scores were shared with the club.

SSB Contacts

80 Meters 40
40 Meters 778
20 Meters 976
15 Meters 48

CW Contacts

80 Meters 127
40 Meters 865
20 Meters 512
15 Meters 242

6 Meter SSB 92
2 Meter CW 2
2 Meter Phone 14
70 Cm 1
Satellite 2

CORN ROAST DISCUSSION

A very complete discussion took place the pending August 15th Corn Roast/Burger & Brat Fry. Volunteers accepted cooking assignments, food pick-ups and all of the required tasks had an assigned helper to make the event a success.

LIGHTHOUSE ACTIVATION

Tom Nawrot, AA9XK, reminded the group of the pending Lighthouse operating activity. Tom has been in communication with Sara Grover, who is part of the Maritime Festival. The operation will be up on the hill, right by the Lighthouse. The activity will be on Sunday morning only, 10:00 AM until 4:00 PM

SEPTEMBER SWAPFEST

Gabe Chido, WI9GC, Asked about the free coffee idea, a discussion followed. Gabe will be sending out an e-mail to the folks that helped last year during this Swapfest, looking for additional support. Donuts will be sold. A suggestion was made to buy coffee at a good price from the Cedarburg Fire Department. These ideas will be discussed further.

OLD BUSINESS

Stan Kaplan, WB9RQR, recommended that we all place our chairs under the table at the end of the meeting. He also mentioned that one Dell Field Day computer was still in need of a home until next June. Ron Yokes will be the care taker.

ADJOURNMENT

Dave Barrow, N9UNR, motioned for adjournment. Kent Christiansen, N9WH, seconded the motion. Meeting was adjourned at 9:19 PM

ATTENDANCE:

Tom Nawrot AA9XK, Jeff Alper WB9PZD, Tom Ruhlmann W9IPR, Ray Totzke W9KHH, John Ansay, KC9GJD, Mark Tellier, AB9CD, Roger Zaun W9UJV, Joe Sturmberg KA9DFZ, Tom Murtaugh W9VBQ, Bob Truscott W9LO, Ron Yokes W9BCK, Mike Yuhus AB9ON, M. Greenfield N9JIY, Paul Purgett KC9NHD, Leon Rediske K9GCF, Ed Frac AA9WW, Julia Nawrot KB9WBQ, Kate Holt, Ed Seigworth AA9GT, Jon Gilmore KB9RHZ, Stan Kaplan WB9RQR, Kent Christiansen N9WH, Dave Barrow N9UNR, Ed Rate AA9W, Dean, Hector, Terry Koller KA9RFM, Chuck Curran W9POU, Todd Fast N9DRY, Mark Fleckow KB9PXE, Nels Harvey WA9JOB, Gabe Chido WI9GC

AGENDA

Sept. 9, 2009

1. Call to order – Bill Howe (KA9WRL)
 2. Introductions.
 3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 4. Program: Receiving Antenna – Tom Ruhlmann (W9IPR) and Gary Sutcliffe (W9XT)
 5. Fellowship Break
 6. Auction.
 7. Acceptance of Minutes as printed.
 8. Treasurer's report – Nels (WA9JOB).
-
9. Repeater report – John (W9NRG)
 10. Committee reports.
Sept. Swapfest -
Corn Roast –
Special Event Station –
BSA Jamboree @ Oshkosh –
JOTA @ Pioneer Village -
 11. OLD BUSINESS
 12. NEW BUSINESS
 13. 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, Sept. 9th

7:30 PM



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

Volume XXVIII

October, 2009

Number 10

From the President

De Bill Howe II (KA9WRL)

One of the articles in this month's ORC Newsletter is a report on the Great Lakes Centennial Jamboree up in Oshkosh and our involvement in that event.

This is but one event that comes up on occasion where we, as a club, can show off our skills in Amateur Radio as a hobby and Public Service. Other opportunities include school activities like "Opportunity Days" and Scouting activities like "Jamboree On The Air" and "Jamboree On The Internet".

Let's not forget parades. The OZARES vehicle should be in every local parade in Ozaukee County. Events like Fish Days, Bicycle Rides, Walks and simulated emergency exercises should be mandatory participation on our ORC calendar by at least some members of our club!

Pick out one or more event that the club gets involved in and volunteer to help out. If you can't do physical work, we can always use your experience and knowledge to make the event easier, safer, more interesting, and fun for everyone involved.

I'm not saying every member be at every event. That's not going to happen. What I AM saying, however, is that we should ALL be more involved in keeping our club AND Ham Radio alive and well.

Contesting

De Bob Truscott (W9LO)

The fall contesting season is here, and it presents an opportunity for a little "payback" to our friends to the south who joined in to make the WI QSO Party a big success back in March. It's the Illinois QSO Party on Oct. 18. CW, phone, or both. 160 thru 10M, plus 6 & 2M for the VHF gang. Get the rules at www.w9awe.org.

Then there's the biggie for the phone ops, the CQ WW SSB Contest on Oct. 24. 160 thru 10M. Rules at www.cqww.com.

And then, the REAL biggie for the folks who like CW. The NOVEMBER. CW SWEEPSTAKES on Nov. 7-8. 160 thru 10M. Rules at www.arrl.org/contests. That's going to be a tough one to manage, because I want to work the full 24 hours of the contest, but find time to watch the Packers game at noon on Sunday.

The contest period is 30 hours, 24 of which we can operate, leaving 6 hours for eating, sleeping and "potty calls". I can cut back on the eating & sleeping time, but some things are non-negotiable. I hope to work a bunch of club members in this contest, but not during the Packers game.

VHF & UHF Corner

De Todd Sprinkmann (KC9BQA)

September was a busy month for active VHF'ers. The highlight was the ARRL VHF QSO Party on the 12th-13th. My claimed score of 88946 was a new personal high for Sept. This score should get me into the top 7 or 8 in the USA, for single-op, low power category. (Limits are: 200w max on 6 & 2m, 100w max

on 1.25cm & 70cm, and 10w max above 432 MHz)

Band-by-band breakdown of my contest:

50:	102	Q's	in	28	grids
144:	135	Q's	in	36	grids
222:	68	Q's	in	31	grids
432:	85	Q's	in	28	grids
900:	17	Q's	in	14	grids
1296:	Was	dead	this	year	
2304:	7Q's in 6 grids.				

I'm sure some of you are wondering "what's a grid?" Google "Maidenhead Grid Square". Perhaps a picture would help. Two links to grid square maps:

<http://www.newsvhf.com/grid-na.gif>
http://www.oema.us/files/Amateur_Radio_US_Grid_Square_Map.pdf

In any V/UHF contest or sprint, the exchange is call sign and grid square. When you work a station from a new grid square, your score increases nicely. You work as many hams as possible, but are also rewarded for working different grid squares, which is the motivation for improving your station and operator skills -- being able to hear well and work DX.

I wish I had the computer skills to color in a grid map of what I worked in this contest 3 weeks ago. Maybe someone can email me with the way to accomplish this. But I realized some days after the contest that I hit a personal milestone in 6+ years of VHF'ing. I worked my 100th grid square on 2 meters, when I had a QSO with KG9Z in EN90, east-central Ohio.

The bands were in good shape all weekend for the contest. Midwest guys were working into Kentucky, North Carolina, Virginia, Pennsylvania and New York on bands like 50, 144, 222 and 432 MHz on Sat. evening and late into the night.

On Mon. evening, Sept. 21st, there was a 4-hour sprint for the 2 meter band only. That was the busiest sprint I've seen in 6+ years. ORC members were invited to join in on the fun via my weekly emails to the Yahoo reflector.

I point hundreds of hams in/near WI to my website posts. Consider my website at V/UHF newspaper. If you read the paper a few times a week, you're all caught up.

Here's a link to my 144 sprint report from 2 Mondays ago. Had 64Q's in 22 grids over a 4-hour span. <http://kc9bqa.com/?p=994>

We're running very successful weekly nets on both SSB (Wed. night) and FM (Thur. night) The idea is to draw in folks from all directions, and increase activity on lightly-used bands. Here's a report that I posted after the Sept. 18th 146.43 FM net. <http://kc9bqa.com/?p=987>

For a sample SSB net report, go to the main page at <http://www.kc9bqa.com> and scroll down the front page. We're raising 30-50 VHF'ers across a multi-state region every Wed.

Want to get involved? I will try to help. Just email me. Or do research on my website. Enjoy this website post, about cheap yagis you can build yourself. Many hams have built these, and are working 100-200 mile contacts. <http://www.wa5vjb.com/yagi-pdf/cheapyagi.pdf>

432 MHz sprint is 7-11pm Wed. Oct 7th. The action will be around 432.070-432.130 MHz. 50 MHz sprint is 6-10pm Sat. Oct 24th. 50.125 up to 50.170 or so.

Full sprint info:
http://svhfs.org/fall_sprint_rules_2009.pdf

Scholarship Awarded

The Foundation for Amateur Radio has announced the winner of the ORC \$1000 scholarship for the year 2009. It is Benjamin Steffes (KC9PMN) or North Fond du Lac, WI. Ben is 20 and a senior at MSOE in mechanical engineering. He is also a flight instructor and commercial pilot and enjoys contesting and fox hunting.

Letter from Ben Steffes

Ozaukee Radio Club Members,

I was selected as the recipient of your annual scholarship through the Foundation for Amateur Radio. Thank you for offering this scholarship. The letter I received asked me to provide a photo and a brief biography, so I will tell you a little about myself.



Ben Steffes (KC9PMN) is the 2009 ORC Scholarship awardee. Congratulations Ben. Letter from Ben to ORC

I am originally from Fond du Lac, WI. I attended Fox Valley Technical College in Oshkosh to pursue my pilot license. After getting my flight ratings, I flight instructed for a short time before taking a job with Mesaba Airlines, a subsidiary of Northwest Airlines. While flying, I came to realize that I was spending too much time away from my family and friends. I decided I wanted to have a life again instead of living out of a bag. Last December, I left the airlines to study Mechanical Engineering at MSOE.

I was introduced to amateur radio by Brandon Ullrich (KE5WOR), a student member of the MSOE Amateur Radio Club. Shortly after meeting with Brandon, I joined the club and took my test for both Technician and General class.

I am enjoying my time at MSOE both in class and in the shack. I plan to stay involved with the club and hopefully get more involved in the community events around Milwaukee.

Thank you for the Scholarship!

73, Ben Steffes KC9PMN

ORC Fall Swapfest

The fifth annual Fall Swapfest was held at Fireman's Park in Cedarburg on September 12th. While it was a good time and the scholarship fund had sales of over \$600 we had a serious conflict with the Burlington Swapfest (old Grayslake) and it had a serious impact on attendance.



Vendors lined both sides of the main aisle providing much to see and many bargains.



Ed Rate (AA9W) and Tom Ruhlmann (W9IPR) brought two trailers of boat anchor receivers, test equipment, tubes, accessories, components and good stuff to sell as bargains. They did well moving some of the really heavy iron and earning over \$600 for the scholarship fund.



Terry Koller (KA9RFM) was at the swapmeet with a display of the miniature model engines he machines and builds. The one before him is two cylinders and has a radiator, ignition system and carburetor. It uses a special fuel mixture and upon hand cranking, it runs.



Chairman Gabe Chido (W19GC) was still yawning as the sun rose and the vendors started arriving at 06:00.

BSA Great Lakes Centennial Jamboree

Bill Howe, KA9WRL

A few weeks ago, LeFrog and the ORC had the opportunity to show off our Amateur Radio skills up at the EAA grounds in Oshkosh. The event was the Great Lakes Centennial Jamboree.

This 3-day "adventure" had been in the planning stages for 3 years and its purpose was to celebrate the 100th anniversary of the Boy Scouts of America. It included 12 statewide Councils, 8 Guest Councils and over 9,000 participants from Wisconsin, Illinois, Michigan and Minnesota!

Beside myself, the Hams that helped out in our area included Tom Ruhlmann, W9IPR, Loren Jentz, N9ENR, Tom Trethewey, KC9ONY, Barry Sprifke, W9BLS, Ed Frac, AA9WW, Dan Workenour, N9ASA, Tom Murtaugh, W9VBQ, Steve St. Onge, W9MCU and Doug Shultz, N9EZF from the Fond du Lac club.

We were fairly busy in the Amateur Radio area, with Boy Scouts, Cub Scouts and Leaders not only talking on the radio, but many working on their Radio Merit Badge.



The area setup was completed just as we received a few sprinkles. There were two towers with antenna etc., four HF stations, three tents, one RV, one travel trailer and one equipment trai-

ler supported by about 7 LeFrog and 2 ORC members

Our set-up included 50' and 30' aluminum towers with HF & VHF antennas, an HF di-pole and 2 HF verticals. The ICOM-736 pretty much stayed on 20m, while my old Ten Tec Omni D was a workhorse on 40m. Tom Ruhlmann's "HF in a Suitcase" and Solar Panel worked some serious DX while my little HW-8 in the Military Field Desk sat there receiving CW signals down in the Technician part of the 20m band.

There were literally thousands of Scouts in 5 "Sub Camps" camping and cooking for the 3-day weekend. Other activities included obstacle courses, rock climbing, kayaking, disc golf, robotics, geocaching, monster trikes, pumpkin chucking, rifle, archery, kite flying R/C airplanes and the list goes on.

One of the most popular areas was the paintball range. All day long on Saturday the sound of machine gun paintballs hitting large targets echoed through the grounds and lines of Scouts, sometimes 50 or more deep, kept the sponsors of that area busier than any other area of the Jamboree (in my opinion). The boys should be THAT interested in Ham Radio, but I'm afraid, these days, it's no contest!



Bill Howe (KA9WRL) helped this scout make his first ever amateur radio contact on 40 meters.



The main tent supported the communications merit badge councilors and provided general information about scouting and amateur radio



Ed Frac (AA9WW) is here helping the scouts make contacts on 20 meters. Fortunately there was a European DX contest and the Texas QSO party in process. This allowed easy access to contacts in Texas, Finland, Denmark and Slovenia. It was fun to see their

face light up when they got a response from Finland. The typical response? “that’s cool”.



Here Loren Jentz (N9ENR) is explaining to interested onlookers how the 50 watt 12 volt solar panel works and its support of the 20 meter portable station.

We had fun. We handed out pamphlets, talked up “Jamboree On The Air” in October, ate well at the many food vendors on hand for the weekend and even got to meet Kristina Smaby, Miss Wisconsin 2009!

Project of the Month

De: Tom Ruhlmann (W9IPR)

One of my antennas is an 80/40 trap dipole with a 20 meter dipole as a fan beneath it. Periodically I have to lower the antenna to untangle the 20 meter dipole which seems to get wound around the supporting 80/40 unit by the wind. I usually first notice it due to the resulting high SWR on 20. I finally decided to make some spreaders to keep the two elements apart used some PVC conduit I had in the junk box with the following results.



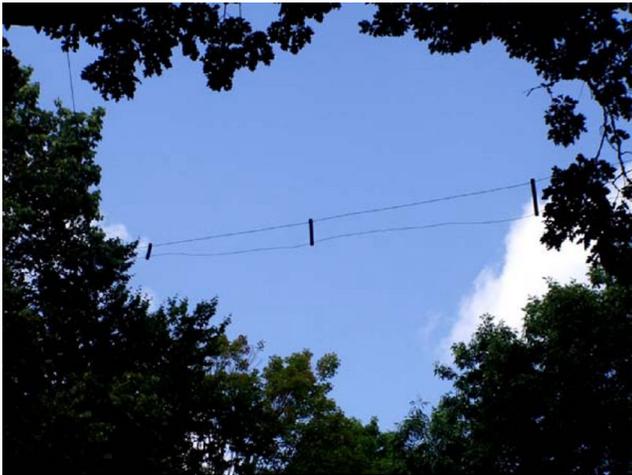
The conduit was cut into 4”, 6”, 8” and 10” lengths with the shorter spacers to be used nearest the center balun.



A thin 1” long slit was then cut in both ends of the spreaders and a small hole was drilled at the bottom of each of the slits. The hole should be about the same size as the antenna wire. The slit allows the antenna wire to be pulled into spreader. A properly sized hole will allow the spreader to clamp the antenna wire in place.



The longest spreader is used at the end of the 20 meter fan and the end insulator is secured up to the supporting 80/40 trap dipole.



And there she hangs; no longer as “stealth” but with a much better SWR.

For Sale, Trade or ?

Lathe, wood, floor model Yates American, cast iron, variable speed, live spindle, with Craftsman duplicator - \$300 contact W9IPR

Club Static

Dave Barrow's wife, Marian, is recovering from hip replacement. Per Dave she is up and hopping around although with the temporary assistance of a cane.

Bernard Baum (N9QW)



Bernard Baum (KC9PQB)/(N9QW)

Originally Bernard grew up in Milwaukee graduating from North Division High School.

Following High School Bernard went into the Air Force and spent time on the “Due Line” radar monitoring system both in Canada and Greenland.

With the service behind him he went to UW Madison where he earned his electrical engineering degree in 1966. Then he went to Motorola where he started out designing TV components but after a few years found his true calling to be marketing. Since then he has been involved with marketing in the Pharmaceutical, Industrial Controls and Printing industries.

Bernard became interested in amateur radio upon retirement and at the urging of a Motorola friend who insisted he get an amateur radio license – so he did. He earned his Technician license (KC9PQB) in April of '09, his General in May and his Extra (N9QW) in August.

Currently his equipment and operations are limited to Echo Link with his VX-6 HT and he is fascinated by the ability to visit with others of varied and similar interest on the internet from

almost any country. Robert generally enjoys learning new things and is currently taking business law class and UNIX/LINUX classes at UWM.

Bernard and his wife Judy are currently retired and live in Whitefish Bay where they enjoy occasional visits from their daughter, a lawyer, and her two children.

Welcome to the Ozaukee Radio Club Bernard. We are looking forward to visiting at the meetings.

Junk Box Product



Shown is the latest creation of Stan Kaplan (WB9RQR) for operation on 440 MHz. Realizing that the wire frame of the 2 meter lampshade Discone might be too fragile for outdoor application he developed a new design for 440 MHz using a trouble light, PL259 connector, a length of 1/2" PVC conduit and various discarded PC hardware. It has a flat SWR throughout the band and given a chin strap it would look great worn at Dayton.

Upcoming Events

October

14th Membership Meeting

17th – 18th JOTA Boy Scout “on the air”
Weekend @ Pioneer Village

22rd OZARES

24th – 25 CQ DX WW SSB Contest

November

7st – 8th ARRL November CW Sweepstakes

11th Membership Meeting

14th – MRC Swapfest at the Elk’s Club

21st–22nd November Phone Sweepstakes

ARRL 160 Meter SSB contest

Christmas Parade – Grafton

28th – 29th CQ WW CW DX Contest

December

5th – 6th ARRL 160 Meter Contest

12th- 13th ARRL 10 Meter Contest

9th Membership Meeting

Tips, Tails & Tools

If you have a boat anchor receiver with a 500 ohm audio output and no matching speaker, you can use a 10 watt 70 VAC PA line transformer to match the receiver output to a 4 or 8 ohm speaker. In a pinch, you could also try a 12.6 volt filament transformer with the primary (120VAC) winding to the receiver output and the 12.6 volt secondary to the speaker.

The Repeaters

De Nels Harvey (WA9JOB)

I've noticed a significant drop in activity on the Club's repeaters over the last several months. Yes, the repeaters are all working pretty good, but here haven't been the morning chats, the plans being formulated, or just anyone responding to calls made by a few hardy folk. It wasn't too long ago that listening during the day would bring several interesting conversations into our homes and cars.

Now, I think the novelty of being able to reach out from the car, or conversing from home has been replaced by the fact we all have at least

one cell phone, and making a contact no longer is a challenge.

As we head into the colder months, there are sure to be snowy and icy roads, traffic backups, and other delays to anyone trying to get to work, a doctor appointment, or even grocery shopping. We are communicators. That's why we are into Amateur Radio!

I would like to encourage everyone to get back on the local repeaters. Dust off that old radio, kick on the power supply, and pick up the microphone. How long has it been since you have placed your call out there on any frequency? Are you sure your radio even still works?

We all spend at least some time in our cars, or around the radio shack. If you turn your radio on, you might even hear someone calling you! Let us know you are listening. Return a call to someone you may hear on the repeater. Check over your hand held radios too. When did you recharge the battery? Part of the reason we have the use of such good radio frequencies is because we are expected to be able to offer assistance using them when all else fails during a serious event. The time honored slogan of the Boy Scouts "Be Prepared" carries over to all of us as ham radio operators. We all need to be "prepared!"

Minutes of September 9, 2009 ORC Meeting

De Nancy Stecker KC9FZK Acting Secretary

Meeting called to order at 7:30 by President Bill Howe. Introductions and Question of the month: What digital modes do you use and what antennas do you have?

Announcements:

Ed AA9W announced the ORC Scholarship for the year has awarded \$1,000 to Ben Steffes KC9PMN, a senior at MSOE.

Dave N9UNR is hosting a CQ Food on Friday, September 18th at the Knights of Columbus building in West Bend. He will send information on the remailer.

Tom W9IPR said Heathkit manuals would no longer be downloaded at no cost from BAMA.

Mark AB9CD has a CD with Heathkit manuals, contact him if you need one.

Program: Gary W9XT and Tom W9IPR presented a program on the K9AY Receiving Antenna. Tom has built one to use for 160-meter contacts.

Fellowship Break, raffle: Mike AB9ON won the raffle this month. **Auction:** By Stan WB9RQR and Ed AA9W

Business Meeting

Old Business:

Minutes as published in the newsletter were accepted, motion by Tom W9IPR and seconded by Dave N9UNR, motion passed.

Treasurer's report by Nels WA9JOB stated a balance of \$12,417.39 as printed in handouts at the meeting. Terry KA9RFM made the motion to accept, Leon K9GCF seconded the motion, motion passed.

Repeater Report: in the absence of John W9NRG, Nels WA9JOB reported the repeaters were working but not used. Tom W9IPR suggested having a permanent net control operator or two in order to get the Tuesday night net active again.

Committee Reports:

Swapfest Committee: Gabe WI9GC stated things under control for Saturday's Fall Swapfest.

Bill KA9WRL asked for assistance at the *Centennial Jamboree* on the weekend of September 25 and 26 held at the EAA grounds. Help will be needed in the Radio Demonstration Tent.

Dave N9UNR has been asked to be the *New Member Liaison Officer*.

New Business: No new business was presented to the members.

Adjournment: A motion to adjourn was made the Dave N9UNR, seconded by Ken W9GA. The motion passed at 9:40 p.m.

Attendance: Stan Kaplan WB9RQR, Gabe Chido WI9GC, Nels Harvey WA9JOB, Bill Howe KA9WRL, Mike Yuhas AB9ON, Jon Gilmore KB9RHZ, Dave Barrow N9UNR, Ed Frac AA9WW, Ray Totzke W9KHH, Kate Holt KB0SIO, Dick Holt AB0VF, Nancy Stecker KC9FZK, Mark Tellier AB9CD, Ken Boston

W9GA, Gary Sutcliff W9XT, Bob Frank N9NRK,
Terry Koller KA9RFM, Todd Fast N9DRY, Mark
Felkow KB9PXE, Jim Caraway W9LLL, Tom
Ruhmann W9IPR.

AGENDA

Oct. 14, 2009

1. Call to order – Bill Howe (KA9WRL)
 2. Introductions.
 3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 4. Program:
 5. Fellowship Break
 6. Auction.
 7. Acceptance of Minutes as printed.
 8. Treasurer's report – Nels (WA9JOB).
-
9. Repeater report – John (W9NRG)
 10. Committee reports.
Sept. Swapfest -
Corn Roast –
Centennial Jamboree
Special Event Station -
 11. OLD BUSINESS
 12. NEW BUSINESS
 13. 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, Oct. 14th

7:30 PM



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

Volume XXVIII

November, 2009

Number 11

From the President

De Bill Howe II (KA9WRL)

For the first three quarters of this year, Doug Burghardt, N9KG has faithfully served the ORC as Second Vice-President. Recently, Doug had to resign his position in the club due to personal reasons.

Although club elections are coming up in January, the ORC's Board of Directors felt it would probably be a good idea for me to appoint a new Second V.P., with the Board's approval, in an interim capacity. This was with hopes that person might officially run for the position in January.

We had several qualified members to choose from and Mike Yuhas, AB9ON had the task, as the Nominations Chairperson, to make some inquiries and talk with those candidates.

I'm happy to announce that Mark Tellier, AB9CD has stepped up to the plate and has accepted the position, at least for now, and will serve as our new Second Vice President. Mark is also our Training Chairperson and President of the Milwaukee Amateur Radio Club.

My sincere thanks to Doug for his service in the club and to Mark for taking over the position, despite his busy schedule with not only the ORC, but the MRAC as well!

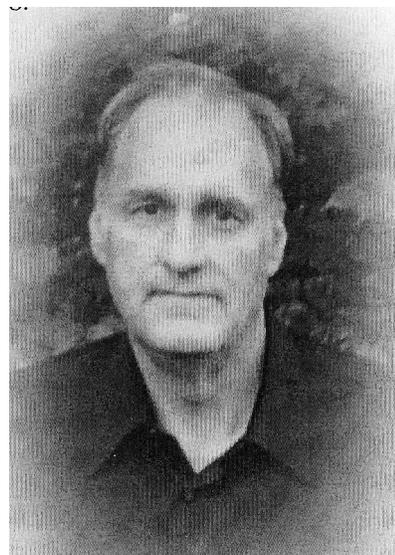
Bill, KA9WRL

Mike Matthies, WJ9O (SK)

De Ray Totzke W9KHH

On Tuesday,, 27 October 2009, Mike left this mortal sphere and became a Silent Key.

Mike has been a part of this community all his life, growing up and attending school in Grafton, playing basketball for Grafton High School, graduating and then attending Brigham Young University. He was always a seeker of answers, interested in, and exploring the world, physical and spiritual, around him.



Mike Matthies (WJ9JO)

March 23, 1947 – October 27, 2009

During the BYU years he served his church doing missionary work in Florida. Back to BYU he studied the sciences, majoring in Physics.

He followed graduation from BYU with teaching

in Manila, Utah where students rode their horses to school. Then back to Grafton High School to teach science.

Photography interests led him to take over the photo studio in Grafton and continue the business that had been in the building since the 19th century. As a photographer (a true artist) his reputation and standing grew in the community and the profession.

Mike was willing to help and serve others. Being prepared for adverse circumstances was always a concern of his. He understood the need for communication in times of stress and with very little encouragement he became a licensed amateur radio operator. (Don't remember his original call.)



Mike is shown here during CERT (Citizen Emergency Response Team) training at the Justice Center in 2006. His wife Dale (N9NNE) was also in the class.

Soon he was an Extra Class Ham with the call of WJ9O. By 1990 he was President of the Ozaukee Radio Club. His Heathkit HW-8 or Kenwood TS-820 could be heard on 80 & 75 meters on Saturday mornings. Two meters was done with a handheld radio and the club repeater.

Mike was also interested in astronomy and was active with the Northern Cross astronomy

group. His night sky photos were on the walls of his studio, Photography by Michael.

Vacations meant exploring the roads less traveled, meeting the people along the way and making their lives part of his.

Mike was ORC President when Joe Bauer, W9WQ, passed and wrote these words about Joe. Replacing "Joe" with "Mike" it reads and applies to Mike.

"Mike' lives on in each one of us because he shared his time and talents. Like matter, energy, space, and time - all never ending - there is something in each one of us that is eternal."

Our thoughts go out to Mike's family, XYL Dale N9NNE, sons, daughters, and grandkids, for their loss, though just for a brief time and season.

73, Mike, you will be missed and always remembered.

Bill Witt Jr., N9KY (SK)

Many of our long time members will remember former Club member, Bill Witt, N9KY, who passed away on Friday, October 9th.

William U. Witt Jr. Age 93 years, was preceded in death by his wife Lucille, son William Frederick Witt and sister Mary...Published in Milwaukee Journal Sentinel on October 11, 2009.

Contesting

De Bob Truscott (W9LO)

The CW November Sweepstakes Contest is a week later this year than it usually is, and it will probably be history by the time you read this, depending upon whether you get your copy of the newsletter on-line or via snail mail. I wonder how many club members calls will be in my log before this contest ends. A whole bunch, I hope.

The phone version of that contest will be on Nov. 21/22, starting at 3:00 PM local time on

Saturday and ending at 9:00 PM on Sunday. Get the rules at www.arrl.org/contest . This is a great contest for the folks who prefer phone operation, and I might add, a fine opportunity to hone your contesting skills for next Field Day. I may even try it myself just in case someone hands me a microphone next Field Day.

And here's another goodie for the CW ops. It's the CQ WW CW on Nov. 29/30. Get rules at www.cgww.com . Note: This is the website given in QST, but it did not work when I tried to access it. A problem with the site, or my computer? Don't know which. Try it and find out.

BRAGGING RIGHTS

I received a certificate from the ARRL a couple days ago. It was for First Place, Single Operator, QRP in the WI Section for the ARRL 2008 160 Meter Contest. QRP is a lot of fun, just as Tom, W9VBQ told you all at the last meeting. It can also be rewarding at times.

Bob, W9LO

VHF/UHF Corner

De Todd Sprinkmann KC9BQA

The weather conditions this weekend are looking favorable for enhanced propagation. Hopefully you will read this by Nov. 6-7th. Typical range for modest, horizontally-polarized stations is 100-300 miles, but in openings, paths of 300-1000 miles become workable. This happens more often than most hams realize, but you do have to monitor conditions. Two links to keep track of are:

<http://www.dxinfocentre.com/tropo.html>

is a *forecasted* map of conditions, going out 6 days. Like weather forecasts, it can be wrong. Check that link daily (it updates about 1pm) and see what the trend is. As of today – Nov 4th -- it looks very promising for Nov. 6-Nov. 10th.

A real-time propagation map based on APRS spots is available at:

<http://www.mountainlake.k12.mn.us/ham/aprs/p/ath.cgi?map=na>

I watch this one closely, and it is not foolproof. But generally, when you start getting near orange and especially reds, the band is up. Neither link is a substitute for getting on the air and calling CQ. Without activity on the bands, you won't work DX, no matter how good the bands are.

Two CW beacons you can monitor are: 144.297, located near Blue Mounds State Park, about 30 miles SW of Madison. There is also a 432.300 beacon across Lake Michigan. A full listing of USA beacons is at:

<http://www.newsvhf.com/beacons2.html>

The weekly SSB nets on Weds. are alive and well. We've had a steady 30-40 check-ins now from multiple states every Wed. The addition of a very strong net control near Wis. Rapids has really perked things up. WB9LYH runs the early 144.240 net at 7:15pm, so point NW and see what you hear.

If you have gear for the 222/223 MHz band, then you want to tune in during 222 Tuesdays. 222 Tuesdays are not a net, nor is there any specific region to focus on. Instead, you get on and create your own activity. Call CQ on/near 222.100 SSB/CW or 223.500 FM and start something. Get on between 7-10pm and see who you bump into. If it gets busy, spread out a little bit and let others get on board.

I'd like to direct you to a great VHF/UHF website that has all sorts of neat graphics and info. You could get lost for hours here, so be warned. www.kcvhfgridbandits.com is a real labor of love for NOIRS in Kansas City, MO.

The next V/UHF contest is a big one, the ARRL Jan VHF Sweepstakes. It starts at 1pm on Sat. Jan. 24th, and runs for 33 hours, until 10pm on Sun. the 25th. Some of you may recall it because we saw greatly increased activity from S WI and N ILL in last January's 'test.

I have it on good authority that the weather this year will be sunny and upper 20's to low 30's so even the rovers will be able to play radio comfortably. ☺

The single-most active time for the V/UHF bands are during the ARRL contests. But it's far less crowded and more relaxed than an HF contest. We can always use more VHF'ers on the bands, so if you have questions, I'm available via email.

New Member- Rudy Zarling, WA9GAT

Rudy likes to eat breakfast at the Prime Minister in Mequon on Saturday mornings. When Dave Barrow noted the WA9GAT car license plate in the parking lot he found Rudy in the restaurant, brought him to our table and signed him up as a new ORC member.



Our new member, Rudy Zarling (WA9GAT) is not only a HAM but also an astronomer and “barber shopper”.

Rudy has a varied and interesting background. He went to MSOE, UWM and Marquette as well as other colleges pursuing his degree in physics and interests in electronics. In the early 1950's he was in the air force at Cape Canaveral

through 1955 working with unmanned aircraft and then in 1955 went to NM where he worked on high speed test sleds evaluating aircraft ejection systems.

While Rudy enjoyed technology he wanted to work with people rather than things and he developed a financial planning practice with offices in Cedarburg. Although officially retired from “Investors Planning Center” he still consults to other financial planners about special types of trust funds and unique estate planning.

He has a Technician + license since about 1960 but hasn't been on the air for the past several years. As he recalls, his transmitter was an Allied all band kit and he still has a National receiver.

Rudy has a number of other interests including the Barbershop Harmony Association, Northern Cross Science Foundation (which he founded in 1974) and fraternal organizations.

Welcome to the Ozaukee Radio Club Rudy. Hopefully we can spark your interest in HF again and you will get those boat anchors off the shelf and get back on the air again.

A BIT OF HAM TRIVIA

De Bob Truscott (W9LO)

Did you ever think about how little information Barney Google requires when you ask him to make an internet search for you? The answer is very little. When I typed in the letters CW, he gave me 5,020,000 responses, including a whole bunch of info about CW as we use it in ham radio. That information in itself is of no particular value, except as a reminder that the human brain works the same way, but on a smaller scale.

I've been eating Grape-Nuts cereal since I was a kid, and at breakfast the other day I happened to look at the back of the Grape-Nuts box, and found a picture of Mr. C.W. Post, the founder of the Post Cereal Company, taken about 1897. Seeing a name attached to the letters “CW” instantly put my miniature Google brain to work

and reminded me of an incident that occurred in the summer of 1954 when we were building the brand new channel 12 TV station in Lincoln Park. (And, yes, I was a part of that project before moving to 6 later.) The transmitter building was located perhaps 1,200' from the road and the muddy driveway going to it was impassable for our cars, so we parked them on the Lincoln Park property near the road. We were joined almost immediately by a Milwaukee police officer on a motorcycle, wanting to know why we were parked illegally on the park property. We told him who we were and why we were there, after which he became very friendly. He told us he was a ham radio operator, and was therefore interested in learning about what we were doing. And since Warren Schlaugat, W9BRV and I were both hams, this meeting turned into a minor hamfest. It turned out that the officer's name was Carl W. Ham and his wife's was Charlotte W. Ham, also a ham, as in radio operator. So we then had two CW hams. I thought it would be nice to invite them to join the ORC because we could use a couple more CW hams in the club, but I didn't find them in the area phone book so wasn't able to do that.

Jamboree On The Air (JOTA) 2009

De Bill Howe (KA9WRL)

LeFrog has been doing Jamboree On The Air for the Scouts since 1987. For the past couple of years, the Ozaukee Radio Club has pitched in and added a new dimension to this popular activity!

For three years now, JOTA has been held at Pioneer Village, which is about 9 miles North of Grafton on County Highway I. We operate much like Field Day, except it's not a "contest" atmosphere and there's no pressure to make tons of contacts, which, I think, makes it more fun!

This year the Scout participation was down, somewhat. We had just come off of a huge Scout Jamboree up in Oshkosh (where LeFrog and the ORC put on a Radio Demo) and, as

usual, we were up against another Scouting activity known as "Scouting for Food".



Bill Howe (KA9WRL) puts another scout on the air as ever vigilant "LARS" looks over his left shoulder.

As it turned out, we were the only JOTA station in the Bay Lakes Council area this year, which includes several Counties from North of Milwaukee all the way to the Green Bay area. We also had the pleasure of a visit from James Wieser, who is the JOTA Staff Advisor from Bay Lakes Council.



Tom Murtaugh (W9VBQ) shows the scouts the wonders of CW and DX.

About 30 Scouts showed up, with about as many Operators in attendance. We operated in and around the old, restored Cedarburg Train Station up at Pioneer Village with basically 2 HF Transceivers, a couple VHF Transceivers and an IRLP set-up. One 50' aluminum tower and one 30' aluminum tower provided support for a 2m Beam, a 70cm Dish, a Tri-Band Beam and a 40m Di-Pole, all fed with low-loss coax.

Andy Eliason, KA9DOL provided several of his homebrew tube-type "Regen" Receivers and Transmitters for the Scouts to try and make work while Jim Cronin, K9UGD brought some Military gear as a demo of a different sort! We were able to complete a total of 6 "Radio" Merit Badges for the Boy Scouts and several "Communications" Awards for the Cub Scouts on Saturday! Tom, W9VBQ schooled the boys on a bit of CW with some computer equipment built by Loren, N9ENR.



Andy Eliason (KA9DOL) brought several of his "yester year" home brew projects for the scouts to tune and listen to local broadcasts.

Our main focus was not really DX, but with the addition of IRLP, by Steve, W9MCU, we were able to have the Scouts talk to other Scouts in Hawaii, Canada, Germany, Cypress, Great Brit-

ain and the Yukon, while the HF Stations kept busy with State-side QSO's.



You can't motivate kid's on an empty stomach and there were good meals morning noon and evening thanks to Ed, Mary and Steve.

Thanks to our Operators and Cooks for the weekend, Tom Nawrot, AA9XK, Tom Murtaugh, W9VBQ, Ed Frac, AA9WW, Tom Trethewey, KC9ONY, Mike Robinson, N9EAX, Steve St. Onge, W9MCU, Loren Jentz, N9ENR, Mary Dragovich, KB9QFK, Ed Dragovich, N9SAQ, Jim Cronin, K9UGD, Pat Cronin, KB9RJE, Tom Ruhlmann, W9IPR and Andy Eliason, KA9DOL.

For Sale, Trade or ?

I am looking for an original cabinet for an SX-28.

Contact Tom, W9IPR at 262-377-6945

Club Static

It is getting to be "that" time of year again. Even the "Man's Mall" couldn't wait for Halloween!

If you are looking for ideas - may I suggest:

- ORC name badge with your name and call engraved. About \$7.00
- ORC Club hat with your name and call embroidered on it. About \$15.00

- ORC Club Jacket with the club logo, your name and call embroidered on it. About \$55.00 (if we can bundle three or more orders).

Just a few ideas

73 from Dave, N9UNR

Email: DavidBarrow@wi.rr.com

Phone: (262) 375-2667

Cell: (262) 993-2667

Meeting Program

Log Book of the World and its use as opposed to QSL cards will be the topic of the presentation by W9AIS at our meeting on Nov. 11th. He also has an interest in the old Boys Life Radio Club and working all WI counties.



We had a great program at the October meeting on “Wind Power in Wisconsin” as given by David Sinnett of MATC.

Informal Tuesday Night Net

The informal net is “ON” again and has been interesting. Check-ins were about 15 on the 23rd and 7 this past week. We will be listening for you Tuesday at 8 PM.

Board Minutes – Oct. 13th 2009

De Chuck Curran (W9POU)

The meeting was called to order at 7:04 PM by Bill Howe, and present were Nels Harvey, Mike Yuhas, Tom Ruhlmann, Ed Rate, and Chuck Curran. An agenda for the evening’s discussion was circulated by Bill.

Ed Rate mentioned that a Jeff Kane, KB9QQE had contacted him and he had a rotator, 2-meter beam and 440 beam available. Anyone interested should contact Ed.

- 1.) The first order of business was the appointment of a 2nd Vice President, due to the fact that Doug Burghardt would be unable to continue in that position due to personal time demands on his schedule. A discussion took place on the proper course for appointing the next person, and whether it should occur immediately or just wait until the January elections. It was decided that the Board would select and appoint someone immediately. Four different names were considered, with Mark Tellier being contacted on Wednesday, and accepting the position.
- 2.) Membership Chairperson: Bill Howe explained the need to appoint a membership chairperson and Dave Barrow, N9UNR, was the suggested candidate. Dave was contacted and accepted the position at the Wednesday meeting held on October 14th.
- 3.) Ozaukee Radio Club Officer’s Handbook: The Handbook was prepared by Tom Ruhlmann, W9IPR. The goal was to take the fragmented responsibilities that are spread all throughout the other club documents, and provide a total list detailing exactly what the scope of each officer’s responsibilities are. Tom passed out a copy for review at the Board meeting. Nels Harvey, WA9JOB, moved to accept the Officer’s Handbook as presented, the motion was seconded by Ed Rate and a 100% vote in favor followed.
- 4.) Nels Harvey, WA9JOB, prepared a list of topics for discussion purposes at the Board meeting. They are listed below:
 - a. Swapfest: A concern was present that the poor turnout was going to impact the future of the fall Swapfest. Not enough club members participated, leaving too much work for a few people. The discussion touched on the cancelation of the fall Swapfest. An alternative was presented where the Swapfest would be set for a date with no competition from other events. An e-mail notifi-

- cation will be sent out, and the event would be listed on the club web site. Bill suggested trying one more year with these steps being taken to assure a higher probability of success. Tom Ruhlmann, W9IPR, will coordinate the fall Swapfest. The flyer for the spring Swapfest will list the planned date of September 25th for the fall Swapfest, to make people aware of the date.
- b. Repeater: A lightning strike damaged the 10-meter system. Replacement cost is estimated at \$150. Nels, WA9JOB, moved to spend \$150 to make the repairs and Bill, KA9WRL, seconded the motion. The Board approved the expenditure for the required replacement receiver with a 100% vote.
 - c. Repeater Support: More support is needed for the Club Repeater sight. Nels indicated he is having difficulties and wants to start passing the information and history along to others in the club. There are current issues with a repeater controller and a computer interface with the controller. Jim Albrinck, K9QLP and Loren Jentz, N9ENR were mentioned as possible candidates for this activity.
 - d. Newsletter mailings: There are currently 7 newsletters being mailed out. All other club members use the e-mailed newsletter or the club website. Tom Murtaugh, W9VBQ will handle the newsletter mailings in the future.
 - e. Treasurer: Nels announced that if he is nominated, he is willing to continue being the Treasurer for one more year. He indicated that he would not be willing to accept any future nominations after the 2010 calendar year is completed. The purpose was to simply make sure the club officer's were aware of this and could start preparing for recruiting an alternate during the 2010 Calendar Year.
 - f. Tower Donation: A tower donation was mentioned where a party had a tower available. There was no strong interest in removing this tower and it was dropped.
 - g. Club Fund Shift: Nels indicated that one of the repeater funds had its monies used for specific purposes and it no longer was needed, due to a similar repeater fund that was already in place. The remaining dollars were shifted to the Repeater Maintenance Fund, and the other dollars had been spent on approved repeater repairs.
- h. 2010 Budget Preparation: Mike Yuhas, AB9ON will obtain past years budgets and expenditures from Notes, and then draft a new budget for the 2010 calendar year.
- 5.) P.E.P., Swapfest, and Corn Roast:
 - a. Bill Howe, KA9WRL, will handle the spring Swapfest.
 - b. Tom, W9IPR will handle the fall Swapfest.
 - c. Corn Roast was discussed, and changing the location to Port Washington at the top of the bluff was discussed. Scheduling it on the same day as the Lighthouse event was also considered. That plan was felt to be the best by the group. It will be recommended to the entire club at the meeting on October 14th.
 - 6.) Miscellaneous:
 - a. Tom, W9IPR was interested in starting a collection of club member pictures. These could be used for a variety of needs related to the newsletter. He will announce the plan at the Wednesday, October 14th meeting.
 - b. The Tuesday night Net was brought up. It has little participation. Tom, W9IPR will lead the net until January when he leaves for Florida. During that time specific Amateur Radio related topics will be brought up for discussion, such as antenna, antenna installation, amplifier's or whatever item a given participant has that night as a concern or issue.
 - c. Elmering: The club has a tremendous pool of skills and talents, but not enough is done to share that with others. The 6:45 PM discussion time was brought up and an effort will be made to catalyze discussions on specific topics to help out the club membership.
 - 7.) Club Meetings: It was suggested that we could label tables for specific topics, so club members interested in discussing an exact item could sit at that table. It will be tried at

the next meeting and coordinated by Tom Ruhlmann, W9IPR.

- 8.) Ozares: A discussion took place on the condition of the OZARES truck. It is in poor condition and not road worthy, due mostly to bad brakes, in need of replacement. It is estimated that almost \$2,000 is required for complete repairs. How much should Ozaukee Radio Club be involved was the point of discussion. At the end, it was decided we should remain separate but plan on making a contribution to help get the repairs made. No dollar amount was selected at this meeting.

Nels Harvey, WA9JOB, moved to adjourn at 8:55 PM; the motion was seconded by Ed Rate AA9W, and passed with a 100% vote.

Minutes— Oct. 14th, 2009

De Chuck Curran (W9POU)

Bill Howe, KA9WRL, opened the meeting at 7:30 PM. The members introduced themselves, and responded to Bill's question, "If you bought a book on some Amateur Radio subject, which subject would you select?"

ANNOUNCEMENTS:

- Tom Ruhlmann explained the presence of various signs located on each table. Most tables had a small sign or flag, denoting an Amateur Radio topic. The idea is to have people interested in discussing a given subject, such as Amplifiers, sit at one table to share ideas and methods.
- A suggestion was made to bring your favorite QSL card to the next meeting. Plan on relating how you got it!
- Dave Barrow N9UNR will be the New Member Chairman.
- Mark Tellier AB9CD was appointed to become 2nd Vice President.
- Mike Yuhas, AB9ON, requested suggestion for nominations for the January 2010 meeting
- Stan Kaplan, WB9RQR, showed the group a newly constructed 2 meter J Pole antenna, with a very good SWR.
- Ed Rate showed the group an old Heathkit history book that was available to read.
- Dave Barrow, N9UNR, announced success at controlling his repeater with a Winlink

2000set-up. This was catalyzed by the presentation done by Stan Kaplan in August.

- Tom Ruhlmann, W9IPR, announced the plan to take a picture of each club member. This will make it easier to document various club paper articles

NIGHTLY PROGRAM

David Sinnett was the guest speaker and he gave a very interesting presentation on Wind Energy.

Raffle & Auction

Stan Kaplan, WA9RQR, won the raffle. Stan conducted the nightly auction many different items were sold.

OLD BUSINESS

MEETING MINUTES

Bill Howe, KA9WRL requested a motion to approve the minutes. Dave Barrow, N9UNR, so moved and the motion was seconded by Jon Gilmore, KB9RHZ.

TREASURER'S REPORT

Nels Harvey, WA9JOB, provided the treasurer's report. A printed summary of all of the transactions since the last meeting was circulated to the group for review. One big change was \$729 worth of donated equipment sold by Ed Rate AA9W, and Tom Ruhlmann, W9IPR at a recent Hamfest. Jim Albrinck, K9QLP, moved to accept the Treasurer's Report; the motion was seconded by Dave Barrow, N9UNR.

REPEATER REPORT

Nels Harvey, WA9JOB explained the zeroing out of the .97 repeater account. The remainder was transferred into the repeater maintenance account. Nels has checked out all the links and everything is working. The 220 MHz repeater is now getting more use.

Bill Howe, KA9WRL, provided a brief update on committee reports

NEW BUSINESS:

NONE

ATTENDANCE:

Mike Yuhas AB9ON, Bill Howe KA9WRL, Brian Ze-
untreka, Julia Nawrot KB9WBQ, Joe Sturmberg
KA9DFZ, Stan Kaplan WA9RQR, Jon Gilmore
KB9RHZ, Kent Christiansen N9WH, Ed Rate AA9W,
Gabe Chido WI9GC, Dave Barrow N9UNR, Jim
Albrinck K9QLP, Nels Harvey WA9JOB, Mark
Fielkow KB9PXE, Todd Fast N9DRY, Chuck Curran
W9POU, Mark Tellier AB9CD, Mark Potash
KC9GST, Rudy Zarling WA9GAT, Nancy Stecker
KC9FZk, Dick Holt AB0UF, Tom Ruhlmann W9IPR,
Ken Boston W9GA, Gary Sutcliffe W9XT, Bob Trus-
cott W9LO, Ron Yokes W9BCK, Tom Murtaugh
W9VBQ

AGENDA

Nov. 11, 2009

1. Call to order – Bill Howe (KA9WRL)
 2. Introductions.
 3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 4. Program:
 5. Fellowship Break
 6. Auction.
-
7. Acceptance of Minutes as printed.
 8. Treasurer's report – Nels (WA0JOB).
 9. Repeater report – John (W9NRG)
 10. Committee reports.
-
 11. OLD BUSINESS
 12. NEW BUSINESS
 13. Adjournment to ?

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465 Beechwood Drive
Cedarburg WI* 53012

First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton

Wednesday, Nov. 11th

7:30 PM