



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 XXVIV

September, 2010

Number 9

From the President

De Bill Howe II (KA9WRL)

I was born during WWII in September of 1943 down in Macon Georgia. Although I didn't get my Ham license until 44 years later, I've always had an interest in radio.

I built an AM Transmitter in my basement when I was in Junior High School up in Antigo, Wisconsin. I don't remember where I got the schematic, but the parts were readily available to me as I worked in a local radio repair shop every afternoon after school.

It started as a low power, no license required project, but soon grew to several hundred watts after building a rather large RF Amplifier. The antenna was a yagi, of sorts, perched atop my Mother's 2-story house. Apparently, I didn't even think about a license after the "upgrade".

My grandfather built a beautiful workbench out of select hardwoods, stacked vertically on a sturdy frame, in the corner of our basement. This was ideal for my radio station. I proceeded to re-route power from an overhead outlet near the coal bin to just above the bench where I fabricated a fuse box out of an old cigar box. Not exactly code, but it worked.

My next brilliant move was to cut a hole in the top of the workbench so that my turntable would sit flush next to the transmitter. That was the source of my music, my sister's 45's and LP's plus my Mother's old 78's.

The microphone was an RCA-77 look-a-like, manufactured by Radio Shack. Actually, there were several companies that made those microphones, all crystal types. Would you believe I still have that mic? I also have many of the

still have that mic? I also have many of the other versions as well . . . but I digress.



The RCA-77 look-alike from Radio Shack

I took requests from all of the neighbors and played music into the night, with clever intros and, what I considered, hilarious jokes. My frequency of choice was somewhere close to 900 KC, which, coincidentally, was the frequency of WATK-AM on the North side of Antigo. Another brilliant decision on my part!

All went well with WGH Radio throughout many winter months, until rumblings of interference with WATK Radio, my competitor on the North side. I couldn't change my operating frequency much, so I pretty much ignored the threats and considered taking on sponsors so I could buy more goodies to add to the "station".

Some of you may have heard what happened to WGH Radio. The equipment is probably still sitting in a government warehouse somewhere in Chicago, I suspect. Two well-dressed gentlemen from the windy city with a wallet full of FCC identification offered to take it off my hands and store it for me while I spend time in some kind of protective custody!

Somehow, I got off clean and never had to spend any time away from home . . . but I never saw my transmitter or turntable again, plus my Grandfather made me patch the hole in that workbench.

Today the only thing left of WGH Radio is my little RCA-77 look-a-like Radio Shack crystal mic and a whole warehouse full of great memories.

Contesting

De Bob Truscott (W9LO)

I had an interesting conversation with Tom, W9IPR, a few days ago about vintage ham transmitters and receivers. He buys the old relics and refurbishes them. I, too, buy old relics, but handle them in a little different way. I put them on a shelf and let them gather dust and rust. I have yet to follow through on my intent to refurbish even one of them. I have, however, satisfied my primary goal of acquiring one of every model of receiver that I've ever owned as a ham. Some work, but most don't, and that's not likely to change in the future. Now, if I could acquire a Hallicrafters SX-28 and a Hammarlund Super Pro, both of which I used while in the USAAF a long time ago, I'd be satisfied.

That conversation with Tom did not relate directly to contesting as we know it today. But it did serve as memory jogger about how contesting worked in "the good old days". I built my first homebrew transmitter back in 1949, and put it to work in contesting in 1950. It was a 20 watt crystal controlled rig, 80 thru 10 meters, CW only. And, as most others did at that time, I had a pocket full of crystals, which I would lay out in front of the transmitter and plug in the one that came closest to the frequency that I wanted to transmit on. Now that will sound a bit primitive to any of you who are even a little bit into contesting using modern day transceivers, but that was the way it was for those of us who didn't have a VFO for one reason or another. You all know that a modern day contester can sit on a frequency for hours at a time calling CQ FD (or CQ whatever the contest might be), and that stations will jump onto his frequency and

answer him. And, if that contester chooses to operate S & P (search & pounce); all he has to do is tune in the other station's signal and answer his CQ. Simple, isn't it? Sure, but that's not the way it worked for most of us in 1950.

Typically I would select a crystal near the bottom of the band and call CQ a few times, then sign and tune the receiver up and down about 5-10 KC from my transmit frequency looking for stations who might be calling me. And when I had worked the frequency "dry", I would select another crystal 10 or so KC higher in the band and repeat the process. This would continue until I figured that I had worked all the S&P stations on the band, and then I would become an S&P guy. I would tune the receiver to a CQ ing station and then select a transmit crystal as near his frequency as I could, and call him. These procedures were clumsy and not very productive, but it was all a lot of us had at the time. I built my first VFO the next year and plugged it into the transmitter crystal socket. And so ends this lesson in PRIMITIVE CONTESTING 101.

Tom said he was planning to set up a refurbished transmitter and receiver as a separate station in his shack, and he probably will, but I doubt he will do much contesting with it.

September marks the beginning of the fall contesting season. Here are a few you might want to consider:

Sept.11

ARRL SEPT. VHF QSO PARTY—
Phone, CW and Digital—Rules at
www.arrl.org/contests.

Sept. 12

NORTH AMERICAN SPRINT—CW—
Rules at www.ncjweb.com.

Sept. 19

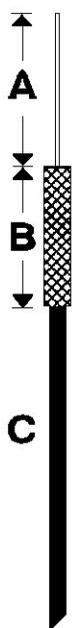
NORTH AMERICAN SPRINT-PHONE—
Rules at www.ncjweb.com.

Have fun contesting. Bob, W9LO

“No Materials” Antenna

De Stan Kaplan (WB9RQR)

Adapted and updated from a March 1998 OZARES Newsletter article by Tom Oehler, W9LNL.



Here is a quick and easy antenna for 2 meters or 440 MHz that requires no materials other than the coax used to feed it! C in the drawing is any coax, RG-58, RG-8 or even RG-59 (75-ohm TV coax). B is the inverted braid of the coax, while A is the center conductor. The insulation of the center conductor should be left on for rigidity and protection.

First, here are the approximate dimensions of both A and B (these two sections are identical length):

FREQ (MHz)	LENGTH (inches)
145	20.5
146	20
147	19.5
148	19
443.525	6.5

Let us suppose you wanted to make one of these for use at the OZARES transmit frequency (147.93 MHz) and at the ORC transmit frequency (146.37 MHz). The split between these would be 147.15 MHz, but 147 MHz is certainly a good compromise. Therefore, both sections A and B should be 19.5 inches long.

To build it, cut the plastic outer insulation off of at least 30 inches of the coax. The braid will shorten considerably when you expand it, so you will need this length to work with. Expand the diameter of the braided shield by pushing it back toward the insulation cut, then invert it, just as you would turn the finger of a glove inside out. This is easy to do with some coax, and difficult with others. If you have difficulty, cut it off,

work it over the coax insulation and solder it in place where A and B meet. In any case, when the braid is in place, work it down tightly on the insulation by gently stretching it and rolling it with your hands. Now, carefully trim it so that it extends 19.5 inches down from the point where A and B meet. You may find it useful to tape it in place at the end to prevent it from shortening after you trim it. Similarly, trim the center conductor so that it extends up 19.5 inches from where A and B meet. Before trimming the center conductor, you might want to form the tip into a tiny loop (and solder it) so that you can hang the antenna up with string, nylon fishing line or other non-conductive material. Don't forget to count the tiny loop as part of the length. That's it! If you are picky and have an SWR checker, trim 1/16 inch off both the center conductor and braid until the SWR goes down to a usable figure. If you don't have a meter, make it 19.5 inches and call it close enough. Make C any length you want, and put a connector of your choice on the end.

I do have an MFJ 259B Antenna Analyzer, and just completed making up the antenna (10Aug10) using RG-59 coax. This white-jacketed TV stuff was not very high quality, with perhaps 75% shielding, but it was clean, new cable. After trimming just a bit, A and B were 19-3/8 inches. Here are the results:

Freq	SWR	Freq	SWR
145	1.6		440	1.1
145.5	1.7		440.5	1.0
146	1.5		441	1.1
146.5	1.4		441.5	1.2
147	1.4		442	1.4
147.5	1.5		442.5	1.5
148	1.5		443	1.7
148.5	1.6		443.5	1.7
149	1.7		444	2.1

Clearly usable for both VHF and UHF, with SWRs at or below 1.5:1 on 2-meters and about

1.7:1 on 440 for both the OZARES and ORC frequencies. Not bad for a hunk of coax.

Want some of that TV cable to experiment with? I have a big spool ... just let WB9RQR know how many feet you would like.

Corn Roast/Boil 2010

De AA9XK

On August 21 many members took advantage of the good weather, free food and drink provided by the Club to join other members at the Lion's Shelter in Port Washington for the annual ORC "Corn Roast" picnic.

In addition to the food and drink, Tom Murtaugh took pictures of new members and took the pictures you see in this issue. Ed Rate supplied the freshest corn in all of Ozaukee County, Ed Frac and Tom Nawrot lugged the old cooker, the beverages, and grills from the shed. Tom Ruhlmann supplied the firewood, and Cindy Douglas bought the food, Julia Nawrot picked up flowers from Port's Saturday morning farmers market, flower vases from St. Vincent DePaul and covered the tables in new tablecloths.



Cindy Douglas (KA9PZG) kept a close eye on the boiling corn to assure it was "just right"



The picnic tables were really quite elegant with cloths and flowers as provided by Julia (KB9WBQ).



Mike Yuhas (AB9ON) demonstrated the finesse required in the bean bag toss to his daughter and Sue Albrinck (wife of K9QLP)



It was truly a family event and Patrick Sullivan's kids were having a great time judging from their smiles.

Again, we operated a W9CQO special event radio station and made 48 casual contacts for only 3 or 4 hours of operation. We used an Outbacker and a tri-band vertical. Among the 48 contacts, we logged six other lighthouses or ham members of the Amateur Radio Lighthouse Society (ARLHS)



Bill Howe and Tom Nawrot among others had fun working other lighthouse stations.

We talked up the fact that ARLHS USA 652, otherwise known as Port Washington's 1860 Light station, is celebrating its 150th anniversary this year. We drew a couple of outsiders over to the station to see what we were doing.

Loren Jentz, Tom Murtaugh, and Bill Howe (also LEFROG members) displayed their new club banner too, and the ORC picked up another new member.



As with all good things they come to an end and then it's time for clean-up. Stan (WB9RQR) is making sure the coals are extinguished before reloading the kettle for another year of storage.

ORC Fall Swapfest

De Tom Ruhlmann (W9IPR)

Don't forget the ORC Fall Swapfest at Fireman's Park in Cedarburg on Sept. 11. We are still looking for the following assistance:

We had a committee meeting August 16th and are still looking for the following volunteers:

Admissions (ticket sales at gate) - have 3 need 5 more to assist Jim Albrinck

Talk-in station - need 1 more to relieve Leon

Grounds - need 2 to assist Jim Albrinck at opening and closing

Parking - need 5 more to assist Stan directing traffic to vendors and buyers areas

If we can fill all the above positions then everyone will get a chance to also circulate and enjoy the swapfest so no one is overworked. It's a great way for newer members to meet the group. It's fun, let's all participate and have a good time the morning of

Sept 11, 2010. Call me, e-mail me or see me at the meeting to volunteer.

Jon Sanfilippo (WW9JON)

Jon spent his early years in Milwaukee and after moving to Silver Lake he graduated from West Bend High School in 1968. It was in high school that Jon became interested in radio but at that time it was citizens band radio. It all started with a CB walkie-talkie and then he built his own 5 watt base station.

He tried to learn CW so that he could take his novice ham test but couldn't seem to get the hang of it. So the HAM radio interest gave in to other interests at the time.

Jon then went to U of WI in Washington County for an associate degree and this was followed by a Bachelors and a Masters degree in Education at U of WI in Milwaukee. Jon spent the next 3 years teaching 5th grade at St Francis Cabrini in West Bend. While there he got interested in politics and was elected Clerk of Court for Washington County.

During his 13 year tenor as Washington County Clerk of Court Jon became interested in law and earned his law degree from Marquette in 1988. He practiced law for 5 years and was then appointed Chief Deputy of Milwaukee County Courts. Currently Jon is the Clerk of Court for the US District Court for SE Wisconsin.

Jon had pretty much given up on a HAM license due to the code requirement when he heard a public radio story this spring about an 80 or 90 year old woman who passed her ham radio test. In that story he found out that the rules had changed and you did not need to pass a Morris Code test to get a Tech license. Right then he decided he was going to get a book from AES and work at passing the test. In April he passed the Tech test and in May he passed the General test and now has the call sign of AA9JON.

Since then he has done a lot of research on the Internet and has acquired a Yaesu FT-2000, DMU-2000, Palstar AT2K tuner and a ZeroFive 30 ft Flagpole antenna for 10 thru 80 meter. He is interested in DX'ing and has a desire to talk to hams in Europe (especially in his heritage country of Italy).

Jon lives just above Cedar Lake in Slinger and after removing a huge willow tree in the front yard has installed a beautiful Zero Five flag pole antenna complete with American and Italian flags.



Jon is quite proud of his new flagpole antenna and his wife is pleased to get rid of the willow tree.

I went to Jon's home to get familiar with the FT-2000 and while there Jon made his first contacts on the HAM bands. It was the Ohio QSO contest and there were plenty of stations to contact and check out the new station and antenna.



Jon is quite pleased to be making his first amateur radio contacts on his FT-2000 during the Ohio QSO Party.

Welcome to the ORC and amateur radio Jon. It's a lifelong activity that continues to offer new horizons.

Upcoming Events

September

11th - ORC "Ham & Hobby" Swapfest
11th thru 13th ARRL VHF QSO Party
18th - Peoria, IL Hamfest
25th - Belvidere, IL Hamfest

October

16th thru 17th - J.O.T.A. (ORC/LeFrog at Pioneer Village)

November

6th thru 8th - ARRL CW Sweepstakes
20th thru 22nd - ARRL Phone Sweepstakes

December

3rd thru 5th - ARRL 160 Meter Contest

Club Static

De Tom Ruhlmann (W9IPR)

Dave Barrows (N9UNR) reports that during August we gained four new members:

Dave Milke, WB9EZG
Jon Sanfilippo, WW9JON
Tom Tretheway, KC9ONY
Antonio Bustamante

Congratulations to Gary Sutcliffe (W9XT) on your terrific 2nd place in Wisconsin in the 2010 WI QSO Party. The results are available at:

<http://www.warac.org/wqp/2010/10results.pdf>

After the early breakfast at Prime Ministers I drove to Racine to distribute ORC Fall Swapfest flyers at the Racine Megacycles free annual Swapfest. It is free to vendors and buyers and held in a parking lot at the Fireman's Park. They host a free Swapfest as a service to the HAM community. I would estimate there were about 35 vendors there and all were having a good time trading and kibitzing. I handed out about 100 flyers and to my surprise I found and bought a PM-23 speaker that matches my SX-28. I also bought a Hallicrafters "keyer" which matches my HT-32A and which I have since

made operational. It was a really good time and I will be going again next year.



Gary Sutcliffe (W9XT) was again a vendor at The Racine Megacycle's Swapfest at Fireman's park in Racine. President Bill (KA9WRL), Tom and Loran were also there enjoying a beautiful day.

Richard "Rich" Willette, W9GNK has died. Rich was a former member of the ORC when his call was WD9GNK. Rich worked at Goodwill in Milwaukee before moving to Rhinelander in the late 80's, or so. Rich used to live on Highland Drive in Grafton when he lived here. Every so often Rich would come down here for a visit, and put out a call on the 146.97 repeater. Not many people knew him anymore, but I always was happy to hear him and have a QSO. - 73, Nels....

Tips and Tools

I found a perfect paint color match for my SX-28 speaker housing using a flat primer. There are quite a variety of grays and blacks available. It was black with a touch of blue. However, when applied to the speaker housing which had a textured finish, the paint was so flat it hid the texture of the original paint. It was just too flat so I resorted to a can of semi gloss black. Not quite original but looks good. Also, not all silver colors are the same but I was able to select from about 6 shades to get a near perfect match for the speaker grill. Take the item with you to the hardware/paint store and there is a better chance of a near perfect match.

High SWR?

While operating with the vertical on the ORC 2 meter net I noted low power (10 watt) output and high SWR. I switched to the beam and had full 50 watt output and normal SWR. I concluded that there had probably been a nearby lightning strike and it blew the gas tube in my lightning arrester. But why only one out of the several?



The lightning arresters are fed through a grounded aluminum angle iron for secure protection.

My VHF/UHF antenna all feed through lightning arresters used as bulkhead connectors through a grounded aluminum angle iron. Upon inspection I found that water had flowed down the co-ax and into the 2 meter vertical cable connector thus shorting it out and causing the high SWR.

Upon drying out and reassembling the connector/arrester a test verified that water ingress was the problem and all was now well. However, I did inspect the other four connectors (which were dry) and then proceeded to protect them

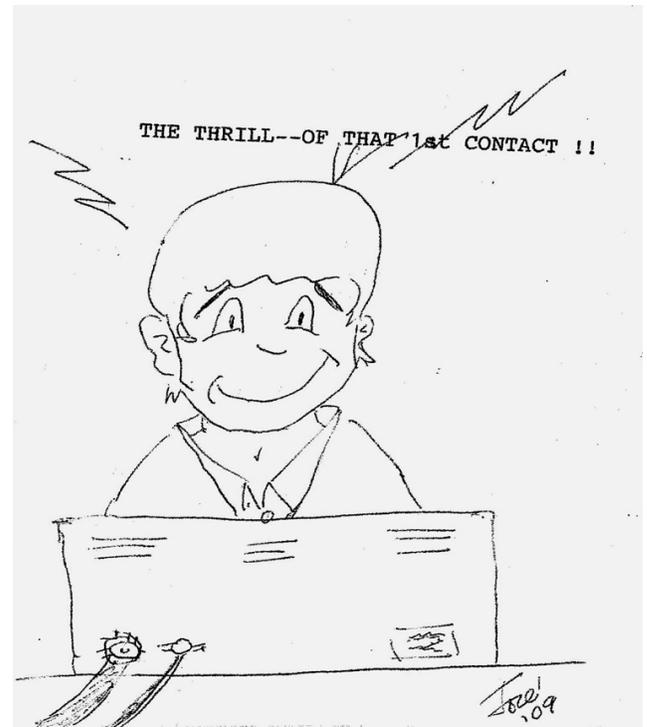
all with a wrap of caulk tape. Also, I made sure there was a drip loop in all the cables above the connectors.

Note in the second photo that the co-ax cables are all identified with colored tie-wraps.



All the connectors are now protected with a drip loop in the co-ax and a caulk tape wrap to prevent any water ingress.

The cables going into the shack are disconnected when we are traveling and color coding makes reconnecting much easier.



Do you remember that first contact?

Minutes— Aug. 11th, 2010

De Patrick Sullivan (KC9LRK)

Bill Howe, KA9WRL called tonight's meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Tom Ruhlmann, W9IPR Reported on the ORC Tuesday night net activity.

Stan Kaplan, WB9RQR Presented an Ozares no material coaxial antenna for 2 meter and 440. Look for a complete report on this antenna in this or the coming news letter.

Nels Harvey, WA9JOB Acknowledged and welcomed three new members David Milke WB9EGZ, Antony Bustamante and Jon Sanfilippo WW9JON.

Ed Frac, AA9WW Announced that ORC hats are available for \$15 including embroidering, please contact Ed for more information.

Mark Tellier, AB9CD has offered to conduct a Ham radio licenses class for ORC members and non members. Please contact Mark if you are interested or know of someone who is interested.

PROGRAM: None

50/50 RAFFLE RESULTS:

Ed Frac, AA9WW won the 50/50 raffle this evening.

AUCTION

Stan Kaplan, WB9RQR and Jon Gilmore, KB9RHZ ran the auction. Some of the items acquired by bidders included light bulbs, a New Black & Decker mouse sander, a vacuum tube, 13 computer fans, a project box, a HT pouch, a magazine rack, a box of electronic components, a transmitter in a tuna tin, fireplace matches, a Net gear wireless networking card, a power supply, an eight port router, a small bell, head phones, a computer fan with sparkly lights, a radar detector, an audio splitter, a wire spool and a lamp with a magnifying lens.

MINUTES:

Tom Ruhlmann, W9IPR motion to accept the minutes as written with the correction as submitted by Leon Rediske, K9GCF. Stan Kaplan, WB9RQR seconded the motion. A 100% vote to accept then followed.

The July minutes have been corrected as follows.

Field Day, Leon Rediske K9GCF. With a large debt of gratitude, Nancy Stecker KC9FZK, Jane Rediske KB9SYI and Stan Kaplan WB9RQR were presented with a plaque elevating their status to "Exalted Chef's". This plaque recognizes their efforts to prepare the food for the Field Day weekend.

TREASURER'S REPORT:

The treasurer's report was presented by Nels Harvey, WA9JOB. Ed Seigworth AA9GT motioned to accept the treasurer's report subject to audit. Jon Gilmore KB9RHZ seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT:

Mark Tellier AB9CD reported that the repeaters are working fine, with no reported issues.

COMMITTEE REPORTS:

Membership Committee, David Barrow N9UNR. An addendum to the roaster will be published and distributed via e-mail with hard copies available at the next meeting.

Corn Roast and Light House event, Tom Nawrot AA9XK. This event was held on August 21, 2010 in Upper Lake Park in Port Washington.

September Swapfest, Tom Ruhlmann W9IPR. The September Swapfest will be on September 11, 2010 at Fireman's Park in Cedarburg. The committee meeting for this Swapfest was held on August 16th.

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT:

Kent Christiansen, N9WH motioned for adjournment; it was seconded by Stan Kaplan, WB9RQR and a majority vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Attending tonight's meeting were 2 guests and 31 members. Ed Rate AA9W, Mark Tellier AB9CD, Leon Rediske K9GCF, Jim Albrinck K9QLP, Bill Howe KA9WRL, Mark Fielkow KB9PXE, Patrick Sullivan KC9LRK, Todd Fast N9DRY, David Barrow N9UNR, Kent Christiansen N9WH, Ken Boston W9GA, Tom Ruhlmann W9IPR, Ray Totzke W9KHH, Tom Murtaugh W9VBQ, Gary Sutcliffe W9XT, Nels Harvey WA9JOB, Jeff Alper WB9PZD, Stan Kaplan WB9RQR, Tom Nawrot AA9XK, Cindy Douglas KA9PZG, Julia Nawrot KB9WBQ, Brian Skrentny N9LOO, Ed Seigworth AA9GT, Ed Frac AA9WW, Jon Gilmore KB9RHZ, Art Davidson

KC9PXR, Chuck Curran W9POU, Joe Holly AA9HR,
Dave Milke WB9EGZ, Paul Given N9PG, Antony
Bustamante and guests David L. Kuester KC9RWJ
and James Douglas III AB9VH.

AGENDA

Sept. 8, 2010

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 – Mark Tellier (AB9CD)
 10. Committee reports.
Sept. 11 Swapfest –
Other -
 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. 8th

7:30 PM



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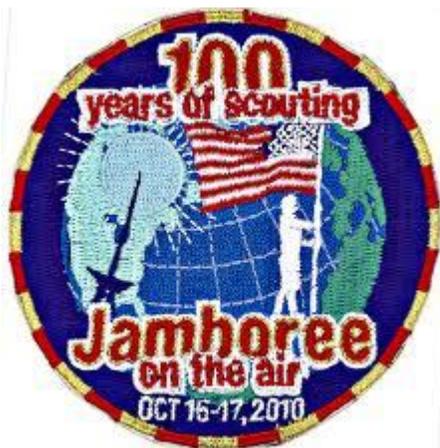
Number 10

From the President

De Bill Howe II (KA9WRL)

I think everyone in the ORC knows that the average age of Ham Radio Operators in the U.S. is very high. This is exactly why we do demos at Parkview Elementary School and operate Field Day in a public place so that the younger generation gets exposed to this hobby and possibly take an interest in it.

October is J.O.T.A. (Jamboree On The Air) month. It's an annual event in which Scouts and Guides all over the world speak to each other by means of amateur radio contacts. Scouting experiences are exchanged and ideas are shared, via the radio waves.



Since 1958 when the first Jamboree On The Air was held, thousands of Scouts and Guides have "met" each other through this event. Not only is it fun to talk to Scouts from other parts of the world but it also provides a chance to find out about other countries and about scouting elsewhere.

Many contacts made during JOTA have resulted in pen pals and links between Scout Troops that have lasted for many years. With no restrictions on age, or the number that can participate and at little or no expense.

Again this year, the ORC and LeFrog hosts JOTA at Pioneer Village, about 9 miles North of Highway 60 on County Road I, just to the North of Hawthorne Hills Country Club. I'm urging everyone in the ORC and LeFrog to participate, at least for a little while, in this worthwhile event.

JOTA is not a contest. It officially starts at 00.00 hours, local time, on Saturday, October 16th and concludes 48 hours later (at 24.00 hours local time) on Sunday, October 17th. Each station can choose its own operating hours within this period. At Pioneer Village, however, we'll be setting up at Noon on Friday, October 15th and taking everything down starting at Noon on Sunday.

We have four (4) cooks, but are lacking in manpower to erect the towers and set up the stations in and around the restored Cedarburg Depot at Pioneer Village. So, if you're not doing anything this weekend, consider helping with this worthwhile and fun event!

73, de Bill, KA9WRL

Contesting

De Bob Truscott (W9LO)

OK, so it's not all about contesting this month! Sometimes the tank runs a little dry and very little comes to mind on the subject. But the editor will probably fire me if I don't come up with

something, so here it is. Think of it as the passage of time, if you will.

During the first 40 or so years of the club's existence we had relatively simple Field Day installations, and usually had our stations and antennas set up by early Friday evening so that we could check them out and de-bug them well before Saturday morning. It was during one of these Friday night check out QSOs, perhaps 10 years ago, that I got an unexpected reminder that time really does fly, and much faster than I had thought. When I answered a W0 station calling CQ the operator said he was with the Davenport (IA) Radio Club, and was testing his Field Day rig. That opened the door for a lengthy conversation. I told him I had been a charter member of his club back about 1949, and had been with them on Field Day in 1950. When I gave him my call (W0EJA at that time) and asked him if anyone in his group might remember me, his immediate response was "I don't even have to ask around because no one in the club is THAT old.). Now, that came as a bit of a shock, because it seemed more like "last year" that I was with them, rather than the 50+ years that it actually was. So all of you young folks in the club enjoy your youth while you still have it because it will be gone before you know it.

Upcoming contests:

Oct. 10 North American RTTY Sprint
Rules at www.ncjweb.com

Oct. 17 Illinois QSO Party
Rules at www.w9awe.org

Oct. 30 CQWW SSB Contest
Rules at www.cqww.com

Nov. 6 ARRL November Sweepstakes C
W Rules at www.arrl.org

The Nov. SS-CW is one of the best of the season. Hope to see a bunch of you there.

Have fun contesting. Bob, W9LO

Welcome Janice (KA9VVQ)



Janice Hoettels (KA9VVQ) is one of our new members and has already been active at the 40 meter field day station and has recently volunteered to work on the newsletter.

Janice's grandfather, WB4ITH, lived in Florida and was very active in the Civil Defense network and as such, he had a 2 meter rig in the car. When visiting Janice and her family in Glendale each summer he would operate on the local repeaters and in the process introduced Janice and her sister to HAM radio.

As a teenager, Janice moved to Colgate and then to Menomonee Falls where she attended Washington High School in Germantown. In 1984 it was off to UW-Madison where Janice pursued an interest in medicine and rekindled the interest in HAM radio. It was in 1986, when as a sophomore, she earned her first amateur radio license.

During college she also developed an interest in computers and has since built several of her own. She enjoys the hardware aspects of computers as

well as programming and has also done some web site work. She enjoys building kits and has completed several including a QRP rig and watt meter and a PSK-31 interface. In 1997 she became interested in APRS and packet and developed a packet station using her Palm Pilot and wrote an article on the package (a packet station at less than one pound) for the ARRL. Her interest in HAM radio propelled her through the licensing process and in 2006 she earned her Extra Class license and holds the call of KA9VVQ.

After earning her degree as a Physician's Assistant she worked in emergency medicine in Green Bay and then several years at Medical Associates in Menomonee Falls. She then received a grant to do some cardiac research at the Medical College of Wisconsin. The work at Medical Collage of WI eventually led to her current career doing technical writing related to medical training, clinical trials and products.

You may recall that Janice was very active at field day doing logging at the 40 meter station with Gabe. At home in Menomonee Falls Janice has a TS570E for HF but antenna restrictions of the apartment complex make operating difficult. She also has a 2 meter HT but at the moment cannot copy the ORC repeater. She feels a new 2 meter antenna should solve that problem.

Welcome to the Ozaukee Radio Club Janice. It's great to have you on board.

Computer Corner

De Stan Kaplan (WB9RQR)

No. 152. A New Computer, Sleep and Hibernation

Well, I got tired of my old one. It was a bit slow, and I wanted something with a little newer technology. So, I did it. I built a new one.

Cost is always a consideration, but I had a number of components already, so that put a big dent in the price tag. I had on hand a perfectly good case, a floppy drive (yep, I still use one from time to time), a CD/DVD reader, a writer, a power supply (650 watts!) and a good hard drive. So all I needed was a new motherboard, a CPU, some memory sticks and a copy of the

OS (operating system). Here is what I got and the cost (including shipping):

ITEM	CHOSEN	COST
Mother-board	Gigabyte GA-MA74GM-S2	56.24
CPU	AMD Athalon II X4	99.00
Memory	Patriot 4Gb DDR2 PC2-6400	90.40
OS	Microsoft Windows 7 Home Premium	167.99
	Total	413.63

The motherboard is more than adequate, and works well with that amazing AMD processor. The processor is a quad-core unit, which is like having four CPUs in your machine. When you have a computing job to be done, the four cores agree on how to split up the job among them, and then they go off and do their individual thing, then meet back again to put their pieces of the job back together as a single entity. Astounding! And fast! I spent hard cash on the memory to get two 2-Gb sticks that would work well with the CPU, Motherboard and OS. Although I have heard good things about Windows 7, everyone knows the new OS needs more memory than previous versions, so I went with 4 Gb.

Well, that was back in January of 2010, and I am writing this in August. What can I report? The new machine is plenty fast – no waiting for any processing job. And the new OS, Windows 7, is trouble-free, very stable and reliable. There are few things that I can complain about. One is, the computer tends to slow down after 10 or 12 hours of being on and working. It is not a severe slow down by any means, but it is noticeable. And, it is instantly curable by a reboot. I attribute the slow down to the OS, rather than to any hardware problem. Any OS accumulates errors with time, and a fresh reboot starts again with a clean slate. Also, the prob-

lem also does not appear if I put the machine to **sleep**, which would indicate it is the OS.

In Windows 7, one of the options next to the on-screen reboot button is the sleep button. According to Microsoft, "**Sleep** is a power-saving state that allows a computer to quickly resume operation (typically within several seconds when you want to start working again)." It puts your work and settings into memory, and does continue to draw a small amount of power to keep your memory alive. In my case, the machine appears to be shutting down and all lights, fans and the hard drive stop working. When I am ready to resume work, a couple of taps on the enter button bring the whole machine back to life within 3 seconds, at most. I just put the machine to sleep while editing this file, and when I woke it back up, the open file appeared when the screen came back to life. This is a painless way to save power when you will not be using the machine for a while.

Hibernate is another power saving method, used mainly with laptops. Hibernation puts your open programs and documents on the hard drive, and then turns the computer off. It uses the least amount of power of any power-saving state. But turning back on takes the full amount of time, plus a little more time to reload your open programs and data.

A third power-saving method is **hybrid sleep**, simply a combination of sleep and hibernate. It puts any open documents and programs both in memory and on the hard drive, and then shifts into a low-power mode. A nice feature of hybrid sleep is that, if a power failure occurs, your work can be restored from the hard drive. In ordinary sleep mode, if the power goes off, your work is lost, because the memory goes blank with no power. And, since nothing was written to the hard drive, there is no way to recover your work. So, click that Save button before you put the machine into ordinary sleep.

Well, guess what? I just learned something new about my machine! Apparently, it uses **hybrid sleep**. Here is the experiment I did. I

typed the following line in a new Microsoft Word document:

This is a test of sleep. I am going to save this line to disk. Then I clicked the Save button in Word, which wrote that sentence to the hard drive. Then I typed the following:

Now I will write this sentence, put the machine to sleep, and then turn off the power. That is exactly what I did. I typed the sentence, then while still in Word and without saving the document, I put the machine to sleep. Then I unplugged the computer. When I plugged it back in and rebooted, a new message appeared, previously not seen, indicating that "Windows is resuming", and after a bit, both sentences appeared on the screen. A very nice touch, indeed. Good programming.

You can explore and try out power-saving options in XP, too. Just go to the Control Panel and click Power Options. Depending on what model and style of computer you are using, there may well be an option that you will like and will save you some money on your electric bill. Try it. Happy Computing!

ORC FALL SWAPFEST

De Tom Ruhlmann, W9IPR

Even with the rain the ORC Fall Swapfest was a success. Certainly the weather was cause for greatly reduced attendance but it was still sufficient to result in a small profit and a great time for all involved. For the first time, thanks to Ed Frac (AA9WW), we had brats and hot dogs at the concession in addition to the coffee, soda and pastry. And we made a small profit there also. A review of the tickets in the raffle drum indicated that HAM's from no less than 46 different communities in Wisconsin, Iowa and Illinois attended.



Tom Nawrot (AA9XK) and Don Zank (AA9WP) took a break from ticket sales to dry off at the barn and see “what’s for sale”.

As at all ORC swapfests the ARRL was well represented. This time it was by John Veerhoeven (KA9OIF)



Some of the regular vendors at swapfests were in attendance and appreciative of the warm dry indoor facility at Fireman’s Park.



The LeFrog table was well staffed by Loren Jentz (N9ENR) and Tom Trethewey (KC9ONY).

The ARRL Gift Certificates & free tickets to the Peoria swapfest were won by Olga Winzenried, WA9ZCO XYL; Phil Gural, W9NAW; Terry Koller, KA9RFM; David Engbring, WK9E respectively.



Terry Koller (KA9RFM) again had his model operating engines on display and there was even space for his pop-up in the indoor facility.





It was great to see vendors with vintage equipment such as the Johnson, Hammarlund and Drake equipment shown here.



The refreshment stand manned by Dave Barrow (N9UNR) and Nels Harvey (WA9JOB) did a great business with the free coffee. As a result of the pastries and the brat's prepared by Ed Frac (AA9WW) the concession stand even turned a profit.

Again, special thanks to the 14 members who volunteered to work at the Fall Swapfest and again made it a success. I for one had a great time.

W9CQO – Who was that?

W9CQO was Hal Giese's (W9RXJ) Elmer a long time ago, and was SK by the time the club was organized. Hal thought it would be nice to

honor him by applying for his call for the club. So we did. He said the phonetics would be real great--"CQ Ozaukee". I don't know that we ever did use those phonetics, but that's what he proposed. I believe CQO's name was George Hoffman, but I'm not sure.
Bob

TO CUT or NOT TO CUT

De Ed Frac (AA9WW)

That is the question. Last year, I purchased a "Hustler", Six (6) Band, Trap Antenna. This year, I decided to assemble it. I called the manufacturer to make sure none of the assembly instructions had changed. That was a good move, because they informed me that they had eliminated the gaps between the traps and the adjoining tubing. Adjusting the gaps had been the primary method of tuning the antenna. The manufacturer now tuned the antenna by tuning the traps. That made my blood run cold! Up to that point the only trap I was familiar tuning was the "marriage trap". The results of the trap tuning was as follows:

10 Meters	=	Good
15 Meters	=	Good
20 Meters	=	Good
30 Meters	=	Good
40 Meters	=	Unacceptable
80 Meters	=	Acceptable

Of all the Bands to have a problem with, it would have to be 40 Meters. The 40 Meter Band did not have a trap. It had a length of aluminum tube that connected directly to the 30 Meter trap, with no gap for adjustment between the two. After tuning the 10, 15, 20 and 30 Meter Bands, the SWR on the 40 Meter Band was to just fall into place. It didn't happen, so I called the manufacturer and explained the problem. They said that what I had, as far as SWR, was probably as good as it would get. Since the antenna had to be shorter to get a better SWR, I asked about cutting the tubing. Their reply was NEVER, under ANY circumstances, cut the tubing.

Then I called Tom Ruhlmann, and explained the problem. Tom patiently explained to me that sometimes the manufacturer doesn't know what the hell they're talking about. He said "cut the tubing".

I cut one-quarter inch (1/4") off of the tube, and the SWR dropped. Feeling that I was "on a roll", I cut the second (2nd) quarter inch (1/4") off of the tube. The

result was that the SWR dropped to 1.0 at the middle of the Band.

The moral of the story is always call the Manufacturer, then call Tom!

73, Ed Frac AA9WW

For Sale, Trade or ?

Tempo 2 all band (10 thru 160) transceiver with separate power and speaker. I suggest this inexpensive rig be sold to someone with an Elmer as I have not tested this rig. I purchased it at a ham fest. \$225.00 as is - W9BUJ - Contact Ray @ 262 377 8250.

I seem to have lost my Olympus SP-320 digital camera – Please call me if found – Tom Ruhlmann (W9IPR) – the reward if returned is my enduring gratitude and admiration.

Upcoming Events

October 16th thru 17th - J.O.T.A.
(ORC/LeFrog at Pioneer Village)

November 6th thru 8th - ARRL CW Sweepstakes

November 20th thru 22nd - ARRL Phone Sweepstakes

December 3rd thru 5th - ARRL 160 Meter Contest



Minutes– Sept. 8th, 2010

De Patrick Sullivan (KC9LRK)

Bill Howe, KA9WRL called tonight's meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Tom Ruhlmann, W9IPR asked if the ORC income tax form 99010 has been filed for the October deadline. This form allows the ORC to maintain its 501c income tax status. Ed Rate, AA9W reported that this form was filed in January.

David Barrow, N9UNR discussed setting up a CQ foods event for the 3rd Friday in October.

PROGRAM:

Manual and Automatic Keyers Old and New
by Gary Sutcliffe, W9XT and Tom Ruhlmann, W9IPR

Tonight's program covered keyers from the start of Morse Code and the straight key by Samuel Morse up to voice keyers. Additional keyers discussed included the Vibroplex, Iambic keyers, Accu keyer, Curtis keyer and Memory Keyers. During the restoration of a tube type keyer portion of the program the following restoration tip and website was given. When restoring an electronic device the Mica and Ceramic capacitors usually do not have to be replaced while Tubular and Electrolytic Capacitors usually always have to be replaced. (schematics website) <http://bama.edebris.com/manuals/>

The inception of Unified Microsystems (<http://www.unifiedmicro.com/>) and the development of the XT-4 micro keyer was presented by the company founder Gary Sutcliffe, W9XT. Gary also discussed the development and FCC certification of Unified Microsystems voice keyers.

50/50 RAFFLE RESULTS:

Ray Totzke, W9KHH won the 50/50 raffle this evening.

AUCTION

Stan Kaplan, WB9RQR and Jon Gilmore, KB9RHZ ran the auction. Some of the items acquired by bidders included a 24 port hub, coaxial cable, print cartages, audio speakers, a lower frequency power strip, wireless router, 5 and 8 port switches, keyboard and mouse switch, solder sucker and beer.

MINUTES:

David Barrow, N9UNR motion to accept the minutes as written. Leon Rediske, K9GCF seconded the motion. A 100% vote to accept then followed.

TREASURER'S REPORT:

The treasurer's report was presented by Nels Harvey, WA9JOB. Terry Koller, KA9RFM motioned to accept the treasurer's report subject to audit. Jon Gilmore KB9RHZ seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT:

Mark Tellier, AB9CD reported that the repeaters are working fine, with no reported issues.

COMMITTEE REPORTS:

Scholarship Committee, Ed Rate AA9W. The 2010 ORC scholarship recipient is 21 year old Natalie Harding, KC9KIR and she will receive \$1000. Natalie will be a senior at UW Madison and is majoring in Anthropology with a minor in Arabic languages.

September Swapfest, Tom Ruhlmann, W9IPR. Approximately 1000 flyers were distributed at nearby Swapfests to individuals. Flyers were also dropped off at AES. On the internet the flyer was distributed to the WI Ham list, the Ham yahoo list and the Madison Ham list. Letters with the flyer included were also sent to nine different radio clubs in the area. The Swapfest was set up on Friday night.

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT:

David Barrow, N9UNR motioned for adjournment; it was seconded by Jon Gilmore, KB9RHZ and a majority vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Attending tonight's meeting were 3 guests and 33 members Mark Tellier AB9CD, Leon Rediske K9GCF, Jim Albrinck K9QLP, Mark Fielkow KB9PXE, Patrick Sullivan KC9LRK, Todd Fast N9DRY, David Barrow N9UNR, Tom Ruhlmann W9IPR, Ray Totzke W9KHH, Gary Sutcliffe W9XT, Nels Harvey WA9JOB, Jeff Alper WB9PZD, Stan Kaplan WB9RQR, Ed Seigworth AA9GT, Ed Frac AA9WW, Jon Gilmore KB9RHZ, Dave Milke WB9EGZ, Terry Koller KA9RFM, Nancy Stecker KC9FZK, KC9RNV Cliff Kollross, Richard Holt AB0VF, Kate Holt KB0SIO, Janice Hoettels KA9VVQ, Joe Sturmburg KA9DFZ, Ron Underwood KC9DKQ, Don Hoffmann N9KRC, Ron Yokes W9BCK, Ray Brunette W9BUJ, John Thielen WA9KNY, Jon W. Sanfilippo WW9JON, Tom Trethewey KC9ONY, James Zevalkink II KM6X, Antonio R Bustamante, and guest Tom Trethewey KC9ONY, David Carpenter Sr. KC9REP, David Carpenter II KC9REO.

AGENDA

October 13th, 2010

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 – Mark Tellier (AB9CD)
10. Committee reports.
 Sept. 11 Swapfest –
 JOTA -
 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, Oct. 13th

7:30 PM



The *ORC* Newsletter

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ORC Repeaters on 146.97, 224.18 and 443.750 MHz -
Callsign W9CQO Web site:

www.ozaukeeradioclub.org

Volume XXIV

November, 2010

Number 11

From the President

De Bill Howe II (KA9WRL)

Tuesday evening, November 2nd, Tom Murtaugh, W9VBQ and I had the pleasure of working with Boy Scout Troop 836 from Cedarburg, Wisconsin. The boys wanted to work on some vintage Merit Badges that had been discontinued, but brought back just for this year's 100th Anniversary of Scouting!

One of the Merit Badges that I felt I could help out with was "Semaphore Signaling". Because of its relationship to Morse Code and Radio, I felt that it was a natural for me. I just happen to have a pair of semaphore flags that I brought back from Vietnam (where I used them exactly once on a Gun Boat while cruising up the Trà Bồng River from Quang Ngai).



Along with the Semaphore Flag demonstration, I also showed the boys what early telegraphy was like and brought along some Army and Signal Corps code training equipment. The largest contraption was nothing but a giant Code Oscillator with an adjustable Speaker/Buzzer and Light. With today's technology, of course, this

would all fit in an Altoid tin (a version which I also brought to demo).

Another large unit was a paper tape code reader. This one worked much like a movie projector, with a full reel of code tape and a take-up reel strung through a gate where a light "read" the black lines printed on the thin strips of paper.



Yet another machine, much smaller than the first two, read a different kind of paper tape with short and long holes punched through it. A mechanical arm made contact through the holes and shorted terminals momentarily for the small holes and longer for the large holes! I had rigged up a little Code Oscillator with a light so the boys could see and hear the code being "read".

Although it was evening, I also attempted to demonstrate the use of an Air Force Signal Mirror.

I also wanted to demonstrate other code teaching tools, so along with all the military equipment, I set up a vintage Library of Congress Record Player that played an old AMECO code practice LP. I also had a modern Radio Shack cassette recorder playing an ARRL instructional tape.



Tom showed the boys the difference between a Straight Key and an Iambic Key, and what both sounded like, using a pair of new chrome “Bencher” Keys provided by Loren Jentz, N9ENR and my electronic “Ham Keyer”. The boys seemed to enjoy hearing what their name sounded like in International Morse Code.

The whole Merit Badge session lasted about an hour. Thanks to ORC members Tim Boppre, KA9EAK and his son, Dominic, W9KKX for setting up the evening and taking advantage of the opportunity to get the Scouts started on this once-in-a-lifetime vintage “Semaphore” Merit Badge!

Contesting

De Bob Truscott (W9LO)

November is a great month for contesting, even if there are only three contests that I would call major. The first is the ARRL November Sweepstakes-CW, which runs on Nov. 6 & 7, and may well be history by the time you read this. This one has always been the highlight of the fall/winter contesting season for me, and without a careful check of the records, I believe this will be the 60th time I’ve worked it. It’s a 30 hour contest in which you are allowed to operate 24 hours, and it’s always been my goal to come as close to the 24 hour limit as I can. Normally I come quite close, but this year will be a bit different because I’ll be operating part time. Just how many hours remains to be seen, but I hope to work a bunch of club members in any case. Get the rules at www.arrl.org/contests.

The next one is for the phone ops: The ARRL November Sweepstakes-Phone, on Nov. 20 &

21. It also covers a 30 hour period during which you may operate for 24 hours. Rules at www.arrl.org/contests.

And finally, we have the CQ World Wide CW Contest on Nov. 27 & 28. A great CW contest for serious DX operators, as well as for those of us who have only a casual interest in DX. It’s a great opportunity to put a bunch of new countries in your log. Rules at www.cq-amateur-radio.com.

Have fun contesting, Bob, W9LO

Meet New Member N9PG

De Janice Hoettels (KA9VVQ)



Paul Given – N9PG

Meet Paul Given, N9PG, a new member of the Ozaukee Radio Club!

Paul has had a lifelong interest in amateur radio and all things electronic. His earliest recollection of his radio adventures was his assembly of a “one-tube wonder” AM transmitter kit given to him by his parents when he was 10 years old. As a high school student in Appleton in the early 1960s, he joined the school’s Dit Dah Dit Amateur Radio Club, passed his Novice license exam, and received the call sign WN9DWB (“**D**rink **W**isconsin **B**eer!” notes Paul). After upgrading

his license, his call sign changed to WB9DWB. During his high school years, Paul was an avid kit builder, and fondly remembers building and operating an Eico CW transmitter and a Heathkit AR3 receiver, and later a Heathkit HW-32 transceiver.

Paul subsequently went on to study physics at UW-Madison. But operating his radio from his dorm room was difficult, and later marriage, family, and work resulted in less and less time for ham radio, and so he let his license expire. However, during his varied professional career, Paul always held positions with an electronics bent. At his last position, he worked as an electrician at Quad Graphics. Paul has recently retired, and now intends to rekindle his interest in amateur radio.

Paul was introduced to the Ozaukee Radio Club by his cousin and fellow ORC member, Gary Sharbuno, WI9M. Paul, who holds an Extra class license, joined the club this past June during Field Day.

Paul and his wife, Darlene, live in Hartford. He is currently in the midst of setting up his station, and is considering an Icom 7000 for his new rig.

We look forward to hearing you on the air soon, Paul! Welcome to the ORC!

JOTA

The local Boy Scout Jamboree on the Air was jointly sponsored by LeFrog and ORC members and from an opportunity standpoint was a success. Members of the two clubs expended great effort in erecting 30' and 50' towers with beams and corner antenna, vertical and dipole HF antenna and five operating stations. Loren Jentz even set up a computer lab with 6 Heathkit computer training boards. The group had a great time setting up the stations, eating the great meals and kibitzing. Unfortunately, no scouts showed up to take advantage of the opportunity to experience the wonders of amateur radio. Too bad.



The LeFrog and JOTA banners were prominently displayed at the Pioneer Village entrance.



Tom Murtaugh seems to be looking on in disbelief or supervising the 30' tower assembly prior to the assembly of the tri-band beam.



A view from the top as Doug Awe worked on the 50 ft tower antenna systems.



Ed Frac (AA9WW) tried out the new Comet vertical antenna he assembled for portable use. It requires no radials – but then neither do rain gutters.



Tom Murtaugh (W9VBQ) did his best to help “Lars” at the 40 meter CW station but “Lars” acted like a real dummy.



Early on Tom Trethewey (W9ONY) was checking out operation of the new D-Star system while Ed Frac (AA9WW) was working several German stations on HF.

VUCC

De Keith Shilhavy (KY9P)

As a VUCC awards manager, I successfully processed (10/18/10) an application for an initial VUCC Satellite award for Ted Carlson, N9KQQ who resides in Hales Corners. He submitted cards for 107 satellite contacts. Interestingly, his first satellite contact occurred in 1998. Ted indicated that he is not aware of any great amount of satellite activity occurring in the greater Milwaukee area. Might this be a challenge for ORC members?

Note: The VUCC is the VHF/UHF award equivalent of the HF DXCC award. Keith, an ORC member from West Bend is the local ARRL VUCC awards manager.

Computer Corner

A New Phenomenon, and Some Advice (No. 153)

I think I am seeing the beginning of a new phenomenon in the computer world. Let me set the stage for my explanation.

In the really old days, only a few people messed with computers. I am talking about the time when the prevalent operating systems were CP/M and really early versions of DOS (terms that many of you may not even recognize). The folks who used computers back then were pushing into new territory, experimenting with what the machines and the software could do. Most of these folks were pioneers that wanted to know how the machines worked as well as discerning how they could be used.

Then, a groundswell of users began, especially when it was discovered by Business that the machines could be useful. Corporations began to use them in computation, word processing and even in projections of business trends that were largely not available before machines could crunch huge numbers of numbers. Still, many computer users learned how computers worked, and learned the slow (and sometimes painful) way to deal with the clumsy software that writers were producing. People were curious, and often asked software manufacturers “why don’t you do it this way – it is sooo much more logical and easier to understand”. And, sometimes the software writers listened, and improved what they were producing. The point is, there was a public curiosity about how computers did what they did, and a great many folks were willing to invest time in learning the basics and even in giving feedback to the hardware and software manufacturers to make things better. There were many users that were perfectly willing to experiment with their machines to “see what would happen if ...”, though some were timid and thought they might break the machine by doing something wrong at the keyboard or mouse.

Nowadays, nearly everyone has a computer or has access to one. And today’s crop of computer users are beginning to look at the machines somewhat differently than those mentioned above. Users are viewing computers as appliances, to get on the Internet or to do one’s taxes or to write a letter. People no longer want to interact with the computer, especially not to see how they work. They want to use it, much like a refrigerator or television set or automobile or other complex tool. Folks simply want to know what it takes to use it.

Hey, we are seeing the same sort of transition in the world of ham radio. We call many, if not the majority of hams today “appliance operators” (those who simply buy their station components and connect them together). By contrast, a majority of hams of the previous generation “rolled their own” (made part or even all of the components that went into their stations).

So today we are seeing mainly “computer appliance operators”, just as in ham radio. Is this a bad thing? Not necessarily. It is just a natural progression, apparently to be expected. Not many folks today know how a cell phone works, or for that matter, an automobile. And maybe that is not even necessary. But, we should be aware of this phenomenon, because it is our present and future history.

OK, that is enough philosophy. Let me finish up by re-emphasizing a couple of free software packages that every Windows XP, Vista or 7 computer user must have. No matter what you do with your machine, if you do not have these and use them regularly, your machine is not working properly or is at risk. How is that for a dogmatic statement? Dogmatic it may be, but it is absolutely true.

1. Virus protection (antivirus software). Microsoft Security Essentials. It works, is not in your face, and it is free. You need not send your hard earned cash to McAfee or Norton, or anyone else. Like having an exterminator spray the periphery of your house in a termite-prone area of the country. Skip this and you are asking for trouble.

2. CCleaner. By 25 Aug 2010, half a billion copies of this free cleaner had been downloaded. Does that tell you something? Learn to use it (pretty simple). Cleans up the general junk, and fixes bad Registry entries (two separate steps). Like cleaning your garage, then your basement.
3. Defraggler. Use it in place of the defragmenter that comes with Windows. Why? It is faster, more flexible and just as safe to use. You can defragment a single file, or the whole disk, or have it go to work starting at 3:00 a.m. Unlike Windows, it shows you what files are fragmented. Freeware by the same folks who make CCleaner (Piriform). Like putting things on labeled shelves in your basement, so you can find stuff quickly.
4. Glary Utilities. Like CCleaner, but somewhat more thorough; also free. I use CCleaner daily or every other day, and Glary Utilities once a week. Like hosing out your garage – needs doing every now and then but not daily.

Not mentioned is a firewall, because the one that comes with Windows is quite adequate. A firewall is like locking your doors when you go to work. Forget to do it and you are asking for trouble.

Google the names above, or visit majorgeeks.com – the best place in the world to get free software.

Happy Computing!

Name Tags

by Dave, N9UNR

I like name tags. It allows me to avoid the mumble (when I can't recall your name). I can't have Alzheimer because I'm not that old. It must be sometimers (sometimers I can't remember a damn thing!). I learned a long time ago to wear my name tag high on the right side – so you can easily read it without being obvious about it.

For those of you that didn't remember to bring a name tag (or don't have one) I will have a supply (with a Sharpie pen) at the meetings.

I believe that the social interaction at the meetings is as (or even more) important as the content of the meeting.

Surveys

by Dave, N9UNR

Recently I emailed out a survey on the Post Everything Party. As Chair I really want to find out what YOU would (or wouldn't) want to have at the party. I was very disappointed to get a 5% return – so I sent it out again – and got another 10%. I'll send it out again.

I intend to do another about meetings.

Show & Tell



At the October meeting Mark Fielkow (KB9PXE) demonstrated the 2 meter "J Pole" antenna he constructed from aluminum rods.

Elections

Elections are upon us and the nominating committee is currently scouring the membership for candidates for various offices. Our current officers are:

President – Bill Howe III (KA9WRL)
 1st Vice President – Chuck Curran (W9POU)
 2nd Vice President – Jim Albrinck (K9QLP)
 Repeater VP – Mark Tellier (AB9CD)

Treasurer – Nels Harvey (WA9JOB)
Secretary – Patrick Sullivan (KC9LRK)

If interested in serving the ORC as a board member please contact any member of the nominating committee (Mike Yuhas, Tom Ruhlmann or Dave Barrows).

The By-Laws can be found at the ORC web site.

Elections will be held at the January 12th, 2011 meeting. A list of nominated candidates will appear in the December issue of this newsletter. Nominations will also be accepted from the floor at the meeting.

Upcoming Events

November

6th Milwaukee Repeater Club swapfest at ELKS Lodge (across from AES on Good Hope Rd.)

6th thru 8th - ARRL CW Sweepstakes

20th thru 22nd - ARRL Phone Sweepstakes

27 & 28 - CQ WW CW Contest

December

3rd thru 5th - ARRL 160 Meter Contest

Project of the Month

De Tom Ruhlmann (W9IPR)

Some of you may be aware that I restored and re-capped an SX-28 and it runs great although it is best as an SWL receiver since it was designed for AM and CW work. It looks great – never mind it is missing a few of the original parts including a couple of knobs and the original case. In any case, with a push pull 6V6 audio output stage it has very good reproduction of music etc. While I did find and recondition a PM-23 speaker designed for the SX-28 it still did not meet my audio expectations.

Then I found a description, advertising and photos of an original R-12 Hallicrafters (Jensen) base reflex speaker enclosure at the <http://antiqueradio.org> web site. From the information I obtained at that web site I was able to spend a couple of weeks in the garage and build a rather accurate reproduction. There a few

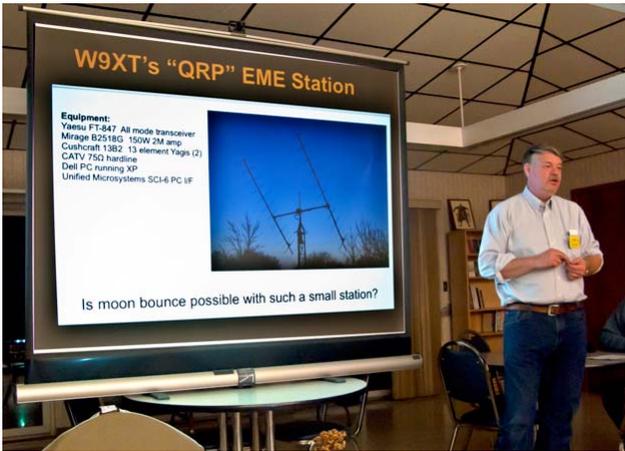
minor differences but the result sounds great and is shown below. One difference is that I wound a 15 turn loop of about 100' of hook-up wire inside the cabinet for an antenna. It works really quite well on BC through the HF bands.



Shown is the W9IPR reproduction of the Hallicrafters R-12 Console Speaker (1940) developed from data obtained at <http://antiqueradio.org>

Club Static

The doors will now open at 7PM for the ORC meetings at Senior Center. The period from 7 to 7:30 PM will be for "Rag Chew and Networking". This will give members who want to have some time together for an "eye-ball", to do so before the regular meeting.



We had a great program at the October meeting with Gary Sutcliffe (W9XT) explaining how even a modest station can work “moon bounce” and enjoy one of the more challenging aspects of amateur radio.

Editor’s Comments

De Tom Ruhlmann (W9IPR)



Welcome to Janice Hoettels (KA9VVQ) who has joined the staff of the ORC newsletter. Janice will be handling the “new member” column so don’t be surprised when she takes your photo or calls you for an interview.



You may have noticed that we are now running a new column, “Computer Corner”. The author, Stan Kaplan (WB9RQR) has rejoined the newsletter staff much to the benefit of all our readers who wish to learn more about their PC’s. Welcome back Stan – and thanks.

Minutes– Sept. 8th, 2010

De Patrick Sullivan (KC9LRK)

Bill Howe, KA9WRL called tonight’s meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Mark Fielkow, KB9PXE presented a home built 220 MHz J-pole antenna.

Janice Hoettels KA9VVQ will be taking on the new member column for the newsletter.

Ed Frac AA9WW announced that the ORC hats and Jackets are available; please contact ED for more details.

Bill Howe, KA9WRL The Fox Cities Ham radio club is having a Swapfest on Nov 7th.

PROGRAM:

Moon Bounce For QRPers
by Gary Sutcliffe, W9XT

This program covered earth moon earth (EME) radio communications with a modest station. Obstacles for EME include: 250 db signal attenuation, Doppler shift, Ferrada rotation, cosmic noise and solar noise. Solution to EME obstacles include: high power amplifiers, big antennas, high quality coax and additional measure to reduce loss. For modest stations the use WSJT weak signal communication software is required. This software gives about 10 db gain over morse code which is the next best method. Ping Jockey is a helpful website to set up schedules.

For more information on EME and this presenters station is available at <http://www.w9xt.com/>

50/50 RAFFLE RESULTS:

Joe Sturmberg, KA9DFZ won the 50/50 raffle this evening.

AUCTION

Stan Kaplan, WB9RQR and Mike Yuhas, AB9ON ran the auction. Some of the items acquired by bidders included a scanner antenna, part bins, crimpers, solder sucker, 440 j pole antenna, network cable, PC microphone, Diet Coke, bottled water, Crush, Sprit Zero, Coke, Cassette recorder with tapes, AC Cassette recorder, Dos 7 for PC’s, project box, watt meter, 2M and 440 watt meter, keyer, Oscilloscope, 2 Handheld Pc, Black and white television camera, Heathkit camera, speakers, coils, speaker, signal tracer and a cable with a telescoping antenna.

MINUTES:

David Barrow, N9UNR motion to accept the minutes as written. Mike Yuhas, AB9ON seconded the motion. A 100% vote to accept then followed.

TREASURER'S REPORT:

The treasurer's report was presented by Nels Harvey, WA9JOB. David Barrow, N9UNR motioned to accept the treasurer's report subject to audit. Stan Kaplan, WB9RQR seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT:

Mark Tellier, AB9CD reported that the repeaters are working fine, with no reported issues.

COMMITTEE REPORTS:

2009 Financial Review Committee, Gary Bargholz N9UUR The committee reviewed all of the treasurers records, for 2009 and found that the Dec 31, 2009 ending balance shown in the club books exactly matched the balance on the Bank statement. A number of transactions were selected at random, and the treasure produced the receipts, check records and other documentation as appropriate. The committee recommended the approval and closing of the 2009 books of the Ozaukee Radio Club.

David Barrow N9UNR motioned to accept the 2009 Financial Review Committee report and the closing of the 2009 books. The motion was seconded by Jim Albrinck K9QLP and a 100 percent vote in favor followed.

OZARES Mike Yuhas, AB9ON. The OZARES participated in the simulated emergency test in the beginning of October. For this test the OZARES van was driven to Washington County to be operated. The new VHF radio in the court house was used to check in to the state net.

September Swapfest, Tom Ruhlmann W9IPR Due to the rain the Swapfest was moved indoors which saved the day.

OLD BUSINESS:

David Barrow, N9UNR discussed the CQ foods event setup for the 3rd Friday in October at The Columbian in West Bend.

NEW BUSINESS: None

ADJOURNMENT:

Stan Kaplan, WB9RQR motioned for adjournment; it was seconded by Mark Tellier, AB9CD and a majority vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Attending tonight's meeting were 29 members Mark Tellier AB9CD, Jim Albrinck K9QLP, Mark Fielkow KB9PXE, Patrick Sullivan KC9LRK, Todd Fast N9DRY, David Barrow N9UNR, Tom Ruhlmann W9IPR, Ray Totzke W9KHH, Gary Sutcliffe W9XT, Nels Harvey WA9JOB, Jeff Alper WB9PZD, Ed Frac AA9WW, Dave Milke WB9EGZ, Nancy Stecker KC9FZK, Joe Sturmberg KA9DFZ, Ron Yokes W9BCK, John Thielen WA9KNY, Jon W. Sanfilippo WW9JON, Antonio Bustamante KC9TDC, Bill Howe KA9WRL, Tom Murtaugh W9VBQ, Brian Skrentny N9LOO, Art Davidson KC9PXR, Paul Given N9PG, Mike Yuhas AB9ON, Robert Krubsack WQ9N, Gary Bargholz N9UUR, Kristian Muberg K9SOON, Janice Hoettels KA9VVQ.

Ozaukee Radio Club Oct 20, 2010 Board of Directors Meeting Minutes

Bill Howe, KA9WRL called the meeting to order at 7:00 PM.

- 1) January Elections (Chair): Mike Yuhas AB9ON has accepted this position.
- 2) Budget Plan for 2011-2012: To be updated.
- 3) Organizational Chart: Tom Ruhlmann, W9IPR has been nominated for this task.
- 4) Treasurer and Secretary Positions Discussion: The nominating committee is pursuing members to fill these positions for 2012.
- 5) Calendar of Events for 2011: Bill Howe, KA9WRL and Tom Ruhlmann, W9IPR will be taking on this task.
- 6) P.E.P. Chair, Catering, etc.: David Barrow N9UNR has accepted this position.
- 7) NACEC (N. Amer. Ctr. for Emerg. Comm.) participation? Watch for more in the newsletter on participation opportunities.
- 8) May Swapfest (Chair): Co Chairs are being pursued.
- 9) Senior Center donation(s)? The motion at the August board of directors meeting to donate to the Grafton Multi-Purpose Senior Citizens Center will be completed soon.
- 10) ORC Website: Brian Skrentny, N9LOO will be taking over the responsibility to maintain the ORC WEB page.
- 11) Herb Roehner, WA9UVK membership status: Ed Rate AA9W motioned to suspend Herb Roehner, WA9UVK membership dues. Chuck Curran W9POU seconded the motion and 100% vote in favor followed.
- 12) Newsletter Mailings: The club would like to reimburse the expenses of producing the mailed newsletter including paper, ink, and postage.
- 13) Membership Chair Expenditures: The club will reimburse the reasonable expenses of

the membership committee in recruiting new members. These expenses in postage stamps, adhesive nametags, paper, ink, envelopes and similar items.

- 14) Public Information Officer: Janice Hoettels, KA9VVQ has accepted this position.
- 15) General Committee Roster: Bill Howe, KA9WRL will update.

ADJOURNMENT:

Mike Yuhas, AB9ON motioned for adjournment, it was seconded by Mark Tellier AB9CD and a 100% vote in favor followed.

MEMBERS IN ATTENDANCE:

Ed Rate AA9W, Mark Tellier AB9CD, Mike Yuhas AB9ON, Bill Howe KA9WRL, Patrick Sullivan KC9LRK, Nels Harvey WA9JOB, Jim Albrinck K9QLP, Chuck Curran W9POU.



ORC Monthly Puzzler – by Janice Hoettels, KA9VVQ

Word Search: Antenna Terms

(Words can be found in any direction: forwards, backwards, or diagonally)

I GAUQECTRIPLERORUTNIJFSDKSJSOEKROTALUSNIT
 NKVFGFKGJKRJKRTLRLKTRTRJTEKTRRW TJHRKTHRETHR
 DDJKFJKBANDWIDTHXEOUJTRAHCHTIMSIFJZCFKEEWF
 SDTWSDFSEYWRYGIORJOPTRORIMNULABETTPITYOTKIR
 NDJCHOKERTJUEODJJFDKTITOTOJUKPYECOTKPKELCE
 FJHGHJLLADDERLINETIRTKGRKRPKKGTRAIHSCOETPOQ
 LHYIUOYKPRPTYROTATORIWRYKAIILHJNKTHMSLRWPRU
 LSDLCNBKWLFGDKJKAHTKQLOFJPEWJKALGLEAWAKFKRE
 QNJDDKLGJNELWLFKWKHSRFULFJJKWLEWHIPHWRWQJON
 DFFKPWOERKNLTLOFELXDTJNJKDLGYJFDLSWFLIEWGSC
 ADFSKODHURYUNOJREHPDIHDKFJEZFMIEWIEWIUZOKRIY
 ERTBIHLREHJGUHRERHJJGPDUPLEXERTHRIWEJAOCWOT
 LRHPRIHEJPPPEOHLQWRPKORHRKTNEIHEIRTKTOJONE
 NERETIRTGMP LMOJOPREHEIOLROTKDWHRIUEHRIJEWAE
 IHWIOJRIJARHGOENIAGOWJEREGTWFROGPRKOPOROJGX
 WOIRJOPJGLJEAJGYAGIJRIJTRLLGERJOGJOPRNPWEKP
 TGHEIXEJWCIEMFETQOJTUNERETQWDPRJTORLACITREV

Word List

Rotator	Whip	End fed	Tower	Frequency	Trap
Dipole	Ground	Hamstick	Balun	Tuner	J pole
Insulator	Magmount	Switch	Ladder line	Duplexer	Corrosion
Coax	Triplexer	Clamp	Twin lead	BNC	Analyzer
Vertical	Polarization	Yagi	Smith chart	Gain	Quagi
Bandwidth	Choke				

Last Minute – Field Day Results

De Dave Barrows (N9UNR)

We came in 5th in the 5A category!
(and that is only due to Dr. Stan's
heroic efforts to file the data!)

The #1 group was W3AO running as 24A with a 33,452 point total (10,585 QSOs). Can you imagine getting 24 transmitters into a 300m circle? And running on a generator? They had 60 participants. It must have looked like a Haitian condo with a Port Washington power station (on wheels - of course).

The #2 was W9CA running 3A in Illinois with 19,748 points (5,182 QSOs). Can you imagine doing that with only three transmitters? They report 30 participants. Maybe if you rotate 10 operators on a transmitter you can keep them aggressive and hungry.

The #11 is a interesting entry. Only one (1) participant! (S)He managed to get 14,050 points with 1360 QSOs running 1EB in SFL (South Florida).

We were #42 overall reporting a score of 10,624 with 3,112 QSOs and 43 participants.

There were a total of 2617 contestants listed. "Tail-end-charlie" was N7NTM with a score of 10 listing 5 QSOs.

Except for my aching back - I had a good time. I hope you did also.

David W. Barrow III, N9UNR

AGENDA

Nov 10th, 2010

1. 7:00 to 7:30 – Rag Chew & Networking
2. Call to order – Bill Howe (KA9WRL)
3. Introductions.
4. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
5. Program:
6. Fellowship Break
7. Auction.
8. Acceptance of Minutes as printed.
9. Treasurer's report – Nels (WA9JOB).
10. Repeater report – Mark Tellier (AB9CD)
11. Committee reports.
 Other -
12. OLD BUSINESS
13. NEW BUSINESS
14. 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, Nov. 10th

7:00 PM – Rag Chew & Network

7:30 PM - Meeting



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

December, 2010

Number 12

From the President

De Bill Howe II (KA9WRL)

Winter has finally arrived and the expected freezing weather and high winds are a fact of life in Wisconsin. ARE YOU READY FOR IT?

Well, I'M not, and I suspect I'm not alone. All throughout this past spring, summer and fall I had great intentions of ripping down my old beat-up 40 & 80-meter wire sloper and replacing it with an 80-meter dipole. For some reason, I never got around to it!

To me there is nothing more soothing and enjoyable than being snowed in on a Saturday with nothing to do but sit in my shack and operate... I get on the air and chat with my fellow hams all over the world from the cozy confines of my little corner of the basement.

All things considered, my Tri-Bander works pretty well...but, of course, it doesn't do me much good unless I stay with 10, 15 & 20-meters the rest of my life. "They" say the best antennas are the ones erected in freezing weather and high winds, so my plan is to wait for unbearable conditions so I can climb the tower, dressed like an Eskimo, rip off my gloves and attempt to string a nice, long wire diagonally across my back yard. Yeah, like THAT's gonna happen!

I operate all year round but during the cold winter months I am truly glued to my radio. I still exchange QSL cards and enjoy working all those interesting Special Event stations that show up, mainly, on the weekends. Of course, there's also the Milwaukee/Florida Net every morning on 14.290 MHz and the new "Nut Net" following that.

So, my fellow hams, I offer you this sound advice. Do as I SAY and not as I DO. Get out there NOW and make sure your antennas are in good condition and can survive the harsh weather we're expecting in the months ahead. Take the time now to make those repairs and adjustments while the weather is reasonably good. Maybe I'll take my own advice and do the same!

Contesting

De Bob Truscott (W9LO)

November was a great month for testers, with CW and phone Sweepstakes, plus the CQ World Wide CW contests. I would normally list the scores of the club participants in these contests in the Dec. Newsletter, but can't do it this time because I forgot to ask for the necessary information from the contest group. Sorry about that. So we'll have to wait a month to find out who has the bragging rights for November.

In the meantime, we have a couple of "goodies" coming up in Dec. First is the ARRL 160 Meter CW Contest on Dec. 3-5. People with the big antenna farms will win the contest, but those of us who have nothing more than a random wire and a tuner can have a bunch of fun in that one. My random wire is the 80 meter dipole with the coax shorted and attached to the single wire output of the MFJ tuner. You can do the same thing with any wire you happen to have in the air. It works, and you'd be surprised how many contacts you can make with it. Rules at www.arrl.org/contests. Give it a shot.

And on Dec.11-12 we have the ARRL 10 Meter Contest. Your guess is as good as anyone's as to what band conditions might be at that time, but if the band is open it will be a great contest.

Rules at www.arri.org/contests. Please send me the results of your efforts after these, and the Nov. contests so we can pass out the bragging rights for each month. w9lo47@charter.net.

Have fun contesting, Bob, W9LO

Rebuilding a Computer

No. 154. - by Stan Kaplan, WB9RQR
(262) 268-1949 skaplan@mcw.edu

Is your old XP computer slow and sluggish? Does it give you problems and frustrations? Or, do you have an old beater besides your main machine that you would like to refurbish and put into service? Maybe it might be good networked with your main machine, as a place to send backup files. Or even to use when your wife or kids have taken over the main machine. How do you approach the process of refurbishing it? What do you need in hand when you start?

I have been rebuilding and distributing computers for ARES/RACES units throughout the state for over 15 years, with the grand total now approaching 1,000 machines. Having done it over and over, I have a pretty good idea of how to approach the project. Here are some guidelines.

First, take stock of the hardware. Is the CD-ROM drive working properly? Would you like to replace it with or add a DVD Read/Write drive (these can read and burn both CDs and DVDs)? These are not expensive (around \$50 maximum) and might be a good addition. How about memory? Adequate memory is a key to good performance. Memory is cheap at present, and even a refurbished beater should have a minimum of 1 Gb. Two gigabytes of memory is better. If you have any inclination to upgrade to Windows 7 now or in the future, make the target 4 Gb (but no more). Look at the number of memory slots available on the motherboard. If there are only two, it may dictate what size (number of megabytes) you need to get. Look in your owner's manual, if you have one, to see what kind (style) to buy. If you have no manual or idea what kind to get, pull one existing stick out and copy the numbers; then you can search the memory manufacturer's web site (such as crucial.com) with some confidence. What about

a hard drive? For XP, you can easily work with a 40 Gb hard drive. On the other hand, if you work with a lot of photographs, a really big one is better – 500 Gb or more. If the old hard drive is good, you might want to keep it as the main one and add a second one to beef up the total space. Remember, if you use space wisely and don't keep a lot of photos on the machine, a huge drive is not necessary. Even 80 Gb is fine for an average machine. Finally, acquire (if you don't already have one) an installation disk for XP that includes Service Pack 3. Do not depend on any "restore" disk that came with the computer, unless it explicitly states that it is a full operating system, including SP3.

Now, prepare the machine. Open the covers and clean out the dirt. Pay particular attention to the dust bunnies under the cooling fan on top of the Central Processing Unit (CPU). That main chip on the motherboard is the brain of your computer, and dust prevents proper airflow and cooling. If you are up to it, remove that fan and blow out the fins on the heat sink with canned air. Or, a small paintbrush is useful to loosen the dirt and a shop vac helps pull it out. Also, clean out the power supply grills (both interior and exterior). Get all the dust and dirt out of the machine.

Now replace whatever hardware you have acquired for the job. If changing the CD-ROM drive or hard drive, make sure the jumpers are set correctly. Look at the jumpers on the old units. If set to CS (cable select), make sure the new ones are also set that way. Remove the old memory, blow out the slots, and then install the new sticks. Now, fire up the machine and make sure it starts properly. If you hear beeps and see nothing on the screen, you have a memory problem. Solve it before proceeding.

Now comes the really important part. Your goal is to completely wipe (not just erase) everything on the drive. More explicitly, you need to restore the drive to the condition it was in when it came out of the factory (except for subsequent wear). Every byte on the drive needs to be set to zero. To do this, go to majorgeeks.com and search for Darik's Boot and Nuke. That (free) program will prepare a bootable floppy disk, CD-ROM or even a thumb drive copy. Boot with it and let it

go to work. When finished, the drive will be blank. I mean REALLY blank. There won't even be partitions on it, which you need to restore.

The easiest way to partition the drive is with Partition Magic (this costs dollars), or with a similar program such as Parted Magic (free ... again, at majorgeeks.com). I suggest you partition it as follows for a 40 Gb drive: C: 25 Gb; D: 10 Gb; E: 5 Gb. For an 80 Gb drive, just double what is shown for a 40 Gb unit. The C: drive is for Windows. The D: drive is for the programs you install. The E: drive is for your creations – letters and other documents, photos, database data files and the like. Segregating your creations on an E: drive will make future backup efforts much easier. It also adds a modicum of safety.

During the partitioning process, you will be asked what sort of partition you want to use. If you take my advice, select FAT32. If you ever have problems with the drive, there will be a much wider range of software that can help you out of a tight spot. There are a bunch of other reasons, too, which I won't go into now. Just select FAT32 in place of NTFS. And, do not forget to make C: the Primary drive and set it to Active. Otherwise, you won't be able to boot from it. Partition Magic also gives you the option to format the drive during the partitioning process. Do it. Tell it to format both the C: drive and the D: drive. Since D: and E: are both in an extended partition, formatting D: will also format E:

Now, having said all that, if you put your Windows XP Installation disk in a machine with a wiped drive, it will partition and format the drive for you. But, it does it as one big C: drive and that is not desirable. Do the Partition Magic/Parted Magic thing. If you mess up, you can always wipe it and start again. If you are successful, you will come out with a more flexible, user-friendly system.

Assuming you have correctly partitioned and formatted with Partition Magic or Parted Magic, you are ready to add the Operating System (OS). Put in your Windows XP installation disk, restart the machine and follow the instructions. It is fun, and you will be the proud owner of a freshly rebuilt computer with a fresh copy of the

OS. Get it up and running, and go to Windows Update. You will need to download and install well over 100 updates! Just keep going to Windows Update over and over until it tells you that there are no more updates you need to download. Give yourself a full afternoon for that task. Add the free Microsoft Security Essentials (antivirus and antispyware). You need no other antivirus or antispyware programs – the free Microsoft program is more than sufficient. Other (free) must-haves are CCleaner, Glary Utilities, Auslogics Disk Defrag and Defraggler. Add them all and learn how to use them. Then, defragment the machine (overnight) and you are ready to go!

If you have any questions before starting, or any troubles during the process, contact me. I will be happy to help. My phone number and email address is at the top of this article.

Happy Computing!

Computer Corner: The First 153 - By Stan Kaplan, WB9RQR,

I started the Computer Corner series back in 1993. A paper copy of the first 50 was made available. Then, in early 2002, a CD entitled The First 100 was released. Now, by popular request, a new release is available that contains the first 153 articles. The new CD also contains a complete index of all the articles for ease in searching what you want to read about. Here is what a "beta tester" of the First 153 said:

"Got the disc and successfully opened the articles. I am really enjoying learning the things that I should have known years ago! It is only recently that I have begun to treat computers like (almost) any other machine - capable of analysis and repair by a semi-educated consumer. Your articles are just what I need to continue this process.

The early articles on this disk are interesting history lessons - going back to the days when we marveled at the capacity of a high density 3 1/2 " floppy. You have a virtually inexhaustible supply of article topics by just going back and redoing articles with today's version of the same issues.

A lot has changed in twenty years! And the last 53 articles are the current bread and butter of computing. All in all a very thorough trip through the wonderful world of computing! I appreciate your effort in creating the articles and your kindness in sharing them."

If you would like a copy, just let me know. There is a nominal charge of \$7 to cover the cost of the CD, envelopes and first class postage.

New Members

De Janice Hoettels (KA9VVQ)



Kristian Moberg, KC9TFP

Meet new ORC member, Kristian Moberg, KC9TFP...

Kristian is not only a new member of the ORC, he is a new ham too. This past October, he passed his Technician class license exam and received his current call, KC9TFP. Kristian attributes his interest in ham radio to a general interest in technical things and to his mother's uncle, who is also a ham. Kristian hopes to get his first 2 meter HT soon so he can get on the air.

Kristian is a lifelong resident of Mequon. He is a graduate of Homestead High School and is presently studying facilities maintenance at the Waukesha County Technical College. For the

past three years he has worked for the Wisconsin Auto Auction, and in his spare time he enjoys amateur radio and his work with the local chapter of the Jaycees.

Welcome to the ORC, Kristian. We look forward to hearing you on the ORC repeater soon!

ORC Elections

Dave Barrow has resigned from the nominating committee and Stan Kaplan has been appointed as his replacement.

The Nominating Committee (Mike Yuhas, Tom Ruhlmann, and Stan Kaplan) have nominated the following individuals for election as ORC Officers for 2011:

President - Dave Barrow, N9UNR
1st Vice President - Chuck Curran, W9POU
2nd Vice President - Jim Albrinck, K9QLP
Repeater Vice President - Mark Tellier, AB9CD
Secretary - Nels Harvey, WA9JOB
Treasurer - Nancy Stecker, KC9FZK

If you are interested in the duties of the various officers you can download the "Officers Handbook" at ozaukeeclub.org

Nominations for the various offices may be made from the floor the night of the elections.

The election will be held at the January ORC meeting in accordance with established procedures.

Junk Box Project

De Tom Ruhlmann (W9IPR)

I had decided to put my vintage station (SX-101 and HT-32A) in the upstairs bedroom but Pat indicated that if I knew what was good for me I should not drill any holes in the wall. With that thought in mind I recalled that MFJ advertized an item that could be placed in the window and through which the coax etc. could be passed with a "no holes" installation. Using that idea I rummaged through my junk box and came up with a few connectors, bolts and wing nuts, weather stripping and wood. Reluctantly I did

have to buy a 1 1/2" X 1/8" X 36" length of aluminum strap at the hardware store to use as the "bulkhead".

When cut to proper length the aluminum strap fit perfectly into the side and lower tracks of my aluminum storm windows. With that done I installed a coax bulkhead feed through connector for the antenna coax and a couple of bolts with wing nuts for the ground wire connections.



Then a wood spacer was cut to install in the lower portion of the inside window frame. Three 3/4" wide slots were cut in the wood spacer and then 1/2" adhesive backed weather strip was inserted into the slots to form a slit and seal the area through which the antenna coax and ground wire would pass.

Now with the inside window closed on the wood spacer there are no holes and no draft and there has been no alteration to the original windows.

So how does it look from the outside? Actually, pretty good. On the outside the #6 ground wire was secured to the aluminum bulkhead, stapled to the window frame and run down the side of the house to the grounding network. The wire was rigid enough that the coax antenna feed line was secured to the ground wire to create a rather neat installation. The antenna in use is a double length G5RV and it seems to work pretty well when tuned with an MFJ tuner.

How much did this junk box project cost? About \$8 for the strap of aluminum. I had all the other items in my junk box. I really should have bought two straps so I would have one in the junk box for another project.

For Sale, Trade or ?

Moseley Ta33 jr. but with full power traps on driven element Ham M rotor with about 80 feet of 8 conductor cable. Both for \$400 or offer? Bob WQ9N 262-781-5026

Gin Pole \$35 (100' rope \$15) Contact Jim Koester (K9TRJ) @ 262-649-3619

Scholarship Fund Sales

The following items were donated to the scholarship fund and are being made first available to ORC members before being placed on e-Bay for bidding. Typically they are priced at the average price of past sales of the item on e-Bay. If after viewing you feel further negotiations are appropriate, feel free to initiate the process with Ed Rate (AA9W). Ed dedicates significant time and effort in the processing and listing of donated items on e-Bay on behalf of the ORC.

KENWOOD 100 watt transceiver - TS-180 \$225
ICOM IC-2100 2 meter FM car transceiver, 55 watts \$60
ICOM IC-229A 2 meter FM car transceiver, 25 watts \$45
MACH-7A Home Security System \$25
DRAKE MN-2000 HF Antenna Tuner \$200
Heathkit IT-3120 FET/Transistor Tester \$25
Heathkit IN-3127 Decade Capacitor Box \$10
DEVRY TECHNICAL INSTITUTE Basic Electronics Course \$25
SHALLCROSS #833 Decade Resistor Box \$50
Patrolman -6 Five Band Portable Radio \$25
ELECTRO SCIENTIFIC INDUSTRIES #253 Digital Impedance Meter \$125

Upcoming Events

December

Informal Net every Tuesday at 8PM

3rd thru 5th - ARRL 160 Meter Contest

Dec 8th meeting will feature a presentation by Chuck Curran (WA9POU) related to the conversion of a "prop pitch motor" for use as a beam antenna rotator.

January

8th – West Allis Swapfest at Waukesha airport

Parks on the Air

De Kyle (N4NSS)

A group of hams have started "Parks On The Air" group to promote getting outdoors to operate from State, Provincial and National Parks. The main goal is to activate them for those who maybe can't take part in IOTA, SOTA etc..... The group can be found here:

http://ca.groups.yahoo.com/group/p_o_t_a/

Fred VE3FAL -
List Owner/Moderator

=====

I'm the keeper of the Wisconsin log for now and also for Florida where I live.

Pass this info around and I hope some hams pick up on this.

n4nss@yahoo.com

Kyle [N4NSS](http://www.n4nss.com) Licensed 1966

[GORC](#) #126, [PB](#) #117, [SKCC](#) #3595, [P.O.T.A.](#)

[NAQCC](#) #2019, [FPQRP](#) #1766, [WARC-CC](#) #567

Grid: EL87qu -82.645956W 27.848260N

My site: <http://www.gsl.net/n4nss/>

A Test Drive of VOACAP

Gary Sutcliffe, W9XT

They say poker takes a few minutes to learn and a lifetime to master. The same can be said for HF propagation. In a couple of hours you can learn about the D, E and F layers of the ionosphere, sunspots, geomagnetic storms, MUF, SID's and the A and K indices. Knowing all that, will you know when the best time and band to work next month's DXpedition to Spratly*? Not likely. I have been DXing and contesting for 40 years, and I continue to learn new things about HF propagation all the time.

About a week ago I got an email suggesting I check out the www.voacap.com site. VOACAP is a program for calculating HF propagation. It is based on 50 years of research by the US government. They were interested in how propagation works so they could set schedules for times and frequencies for the Voice of America. If you want your program in Swahili to be listened to, you better have propagation to Kenya. By all reports, VOACAP is the best program out there for this purpose. Some expensive professional propagation programs use VOACAP as the calculation engine.

VOACAP is a program you can freely download. There are two problems. First is that it is a FORTRAN program. You need to compile it before use. FORTRAN is not exactly the programming language of choice on PCs these days. The second problem is that it is difficult to set up and the results are not easy to interpret. That has all changed. Using the web site it is easy to enter the parameters and get easy to interpret results. You can specify the end points, date, antenna types and power levels and see what the MUF (Maximum Usable Frequency) is for that path.

A much more interesting alternative is to see where a selected band is open to right now, or at a different specified time. You enter your location, month and year, and band of interest. You can also change the transmitter and receiver antennas and power levels from the default dipoles and 100 watts. Click a button to start and in a few seconds a colored world map pops up. The colors indicate the probability the band will be open at that time. If the color is blue there is a 0% chance the band will be open. If it is dark red, there is a 100% chance the band is open to that location. The colors between blue and red show other percentages.

One of the purposes of science is to be able to make predictions, but some processes are not known well enough to calculate. Other things might be possible to calculate, but you can't get all the information you need to make the calculations. In these cases the probability that a certain event will occur is about all that can be done. Physics can calculate with great accuracy how far a cannon ball will fly, but can only give the probability that a given uranium atom will decay into a thorium and helium atom in a given period. Weather is forecasted like that. They say there is a 50% change of rain Tuesday. HF radio propagation is the same way. At a given date and solar conditions, a band may be open to some location nearly every day, half of the days, or maybe only rarely.

I gave VOACAP a quick look and it seemed pretty easy to use. The weekend after Thanksgiving was the CQ World Wide DX CW contest, one of my favorites. I normally do an all band effort, but damage from the recent high

winds damaged some of my antennas. I was not motivated to put the effort in without all my weapons, so decided on doing a 15 meter single band effort. I had the idea that it would be interesting to compare the VOACAP predictions with the actual band openings.

Fifteen meters is a day time band. Propagation basically follows the sun. The band opens up more or less to the east at sunrise and moves west as the day progresses. The last signals heard when the band closes are from the west. It is not quite that simple, but is a good first approximation. I decided to set up a laptop running the VOACAP web application as I operated. I set up the location and changed the power and antenna settings. I figured I would want to know if it is possible to work moderate contest stations so I set the power to 500 watts and the antennas to 3 element Yagis at 50 feet. Every hour I had to go back and change the time to the current time.

I mentioned that VOACAP gives percentages. The actual day to day conditions will vary. Just to give you an example of how much change there can be, consider the band openings during this contest. I made my last contact on Friday night at 6:05 PM (all times local). My last one on Saturday night was at 6:47. My first contact on Saturday morning was at 6:42 AM and on Sunday it was at 6:16. The band was open when I got in the shack Sunday morning, so it had actually opened a bit earlier than that.

If conditions are not very good, you won't work stations in Europe very far to the north or very Far East on 15 meters. On Saturday I didn't work Finland but I did on Sunday. I also worked Saudi Arabia on Sunday. I didn't hear stations out of the Middle East east of Israel on Saturday.

I found that it pretty closely matched what I was working. If the color was red I usually worked stations in that area. There were a few exceptions. According the program, the band is open very reliably for many hours to the Indian Ocean. The problem is there is very little land there, and even fewer hams. No surprise my only contact in the Indian Ocean was to Madagascar.

The CQWW contest has two types of multipliers. The first is countries. I worked about 110 of those. They also carve up the world into 40 zones. You get another multiplier for every zone you work. I got 32 this time. One that I missed that I usually get is zone 40. This is the northern Atlantic area and includes Greenland, Iceland, and the Jan Mayan and the Svalbard Islands. Usually they are workable in the late morning. VOACAP showed this is a very high probability path. So, was the program wrong? Where there no stations active from these locations? Were both days part of the 10% of the days the band does not open up that way? After the contest I did a search of packet cluster spots for these countries. There was only a single 15 meter spot for Greenland and only a few on the other bands. I would have expected a lot more spots if there had been much activity, so I will chalk that one up as lack of activity.

There were a couple of openings the program didn't predict. On Saturday morning I worked Viet Nam long path. That means the signals went to the east instead of the shorter path beaming west. I have only worked Southeast Asia a few times long path on 15 in contests in the past. VOACAP said there was no chance of such an opening.

I mentioned I didn't work Finland on Saturday. That is not quite true. Very often there will be a path to northern Europe in the early afternoon an hour or so after the band normally closes to Europe. These signals are very fluttery and usually weak. I picked up a couple Finnish stations using this path about 12:30 PM Saturday. VOACAP did not show the possibility of working stations on this path at this time. I'm not too surprised about that. That path appears to be some sort of auroral zone enhancement. VOACAP is going to be only concerned with F layer propagation.

I think I have the most experience on 10 and 15 meters and have a pretty good idea of when I can work different parts of the world. That being said, I learned about some new paths, but was unable to confirm them. Apparently there is a great opening to Australia, but at about 2:00 AM local time there. It is not likely many hams will be on the air at that time, and if they are, 15 meters

would probably not be the first band one would consider at that time of the day.

I think VOACAP on the web site is a good tool for getting feel for radio propagation. Of course a sample of two days to evaluate something that gives percentage values is not very statistically relevant, but the program's reputation carries a lot of weight. I expect to play around a lot with it in the future. Perhaps the most difficult band to really know, and the one I feel least competent on is 20 meters. It will be interesting to see what it can teach me about that band.

So, when is the best time to work the DXpedition to Spratly in January? It is probably from about 5:00 to 7:00 PM on 20 meters. The higher bands don't look too promising. That's too bad. I already have Spratly on 20 meters, but need it on all the other bands.

* Spratly is a group of islands in the South China Sea. They are claimed by China, Viet Nam, Taiwan, Malaysia and the Philippines. With the discovery of oil and gas reserves, tension in this area has increased and getting permission to operate is difficult. Two German hams were killed and the rest of the group drifted in their damaged boat for a week when their boat was shelled in a 1983 DXpedition attempt. For this reason, Spratly is a much needed country on the DXCC list.

Club Static

Congratulations to ORC member Steve Pierce. Steve is also a member of the board of the West Bend EAA Chapter 1158. Steve has been taking flying lessons and just completed his first solo – again, congratulations Steve.

While paging through the Dec. issue of QST Dave Barrow came across an article on US Islands on page 55. Wondering if they were going to discuss grass skirts, he read that the USI web site is administered by our own member Dean Jeutter, K3GGN, and their logging program was developed by our own Mark Kachel, N0OKS. Congratulations and Kudos to both!



Tom Macon (K9BTQ) the new President of the West Allis Radio Club has been a frequent speaker at ORC meetings and at our November meeting he led an interesting discussion related to what makes a club interesting to new members as well as seasoned HAMS and how clubs can share resources. Here Tom is being presented a heavy duty 5 volt iron core transformer that Tom (W9IPR) won in the auction in recognition of his efforts.

VHF – UHF Activity

De Todd Sprinkmann (KC9BQA)

There is activity on the less-used portions of 2m down from 144.150-144.260. Down here, it's USB mode and/or CW. Guys typically use higher gain yagis with horizontal polarization. Contacts can be made in the 100-300 mile range every day, with decent antennas and horizons. Leave a rig on the call freq. of 144.200 and see if you hear activity. If you care to, put out a few CQ's of your own. Please remember to not hog the call freq. It's good practice to take longer contacts off the call freq. so others can use it. At other times, you have organized nets like we've been doing. These are great ways to bring the band to life every week, regardless of band openings or the occasional VHF contests.

KA0KYZ is in Southeast Minnesota, grid square EN33. Terry is on 144.230, starting at 6:45pm central time, looking east and then going clockwise.

I'll be on 144.240 from 40 miles north of Milwaukee, grid square EN63, starting at 7pm looking north at first, and then going clockwise.

K8TQK is on 144.250 from Southern Ohio, grid square EM89, starting at 7:30pm. Bob looks to his W and NW about 8-8:15pm, most likely.

We've had very high numbers of check-ins lately. See the net reports at kc9bqa.com if you're interested. Also remember that even if a net doesn't interest you, there are many QSO's to be made on 144.220 and lower, because lots of guys QSY and do their own looking around. Join in and enjoy a busy 2m band.

73, Todd KC9BQA EN63ao 40 N of Milwaukee

www.kc9bqa.com For Frequent VHF/UHF Updates

www.wivuch.com WI VHF/UHF County Hunters Award

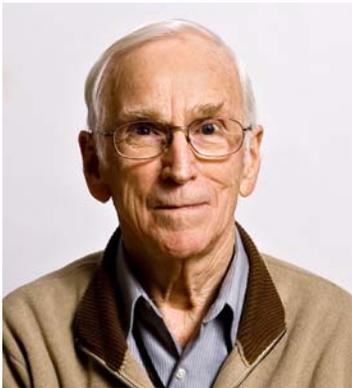
Pick your Poison



Editor's Comments



From time to time we publish a few "dits" of HAM humor. These come from the creative mind of ORC member Joe Sturmberg (KA9DFZ). With over 1000 QSO cards (mostly CW) Joe has seen it all. Joe, thank you for helping us to keep the hobby in pers-



A truly consistent contributor to the newsletter as the author of the "Contesting" column the past 8 years is Bob Truscott (W9LO). Yes, Bob is another CW guy and his call is what we use for Field Day. Thanks for your contesting insights Bob.

Minutes— Nov. 10th, 2010

De Patrick Sullivan ()

Bill Howe, KA9WRL called tonight's meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS AND BRAGING RIGHTS:

Stan Kaplan, WB9RQR announced that the ORC ranked 5th in Untied States 5A field day category.

Bill Howe, KA9WRL reported on the Jamboree on the air. Due to scheduling conflicts with other events celebrating 100 years of scouting no boy scouts made it to the Jamboree on the air. Never the less a lot of fun was had making contacts all over the country. The LeFrog radio club presented patches to the following ORC members for their

participation in the Jamboree on the air event Tom Tretthewey KC9ONY, Mark Tellier AB9CD, and Tom Ruhlmann W9IPR.

Mike Yuhas, AB9ON represented the nominating committee in a plea for members to fill a few vacancies on the ORC board. If interested in this opportunity to serve the club please contact Mike Yuhas AB9ON, Tom Ruhlmann W9IPR or David Barrow N9UNR.

Jim Albrinck, K9QLP reported that every Monday evening at 8:00pm there is a train net on the 442.100 repeater. The 440 repeater is also available via echo link.

Tom Ruhlmann, W9IPR discussed the Tuesday night ORC in formal net, which is held at 8:00 on the 146.97 repeater.

PROGRAM:

Promoting Ham Radio

by Tom Macon K9BTQ, President of the West Allis Radio Amateur Club

In this interactive program the following topics for promoting ham radio were covered: supporting high school ham radio clubs, workshops for high school teacher, focus on developing bands such as micro wave, enthusiasm of promoters, past attempts that fell flat such as free lessons for high school students, positive results such as working with the boy scouts, contesting, cell phones, the internet and face book.

50/50 RAFFLE RESULTS:

Richard Holt, AB0VF won the 50/50 raffle this evening.

AUCTION

Stan Kaplan, WB9RQR and Mike Yuhas, AB9ON ran the auction. Some of the items acquired by bidders included a parts box, box of resistors, coffee table ancient art, ARRL handbook 1990, ARRL Handbook 1996, GFI outlet extension cord, household switches and breakers, wireless printer cartridge, power supply kit, type 555 dual bean oscilloscope, 5 port router, tap deck, video card, 24v 8 amp power supply, heath kit security light controller and a hand cart.

MINUTES:

David Barrow, N9UNR motioned to accept the minutes as written. Tom Ruhlmann, W9IPR seconded the motion. A 100% vote to accept then followed.

TREASURER'S REPORT:

The treasurer's report was presented by Nels Harvey, WA9JOB. Mike Yuhas, AB9ON motioned to accept the treasurer's report subject to audit. Nancy Stecker KC9FZK seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT:

Mark Tellier, AB9CD reported that the repeaters are working fine, with no reported issues.

COMMITTEE REPORTS:

Ed Frac, AA9WW announced that the ORC hats and jackets are available, please contact Ed for more details.

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT:

Kent Christiansen, N9WH motioned for adjournment; it was seconded by Terry Koller, KA9RFM and a majority vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Attending tonight's meeting were 2 guests Rick Whitehead AB9XI, Tom Macon K9BTQ and 35 members Mark Tellier AB9CD, Jim Albrinck K9QLP, Mark Fielkow KB9PXE, Patrick Sullivan KC9LRK, Todd Fast N9DRY, David Barrow N9UNR, Ray Totzke W9KHH, Gary Sutcliffe W9XT, Nels Harvey WA9JOB, Jeff Alper WB9PZD, Ed Frac AA9WW, Nancy Stecker KC9FZK, Joe Sturmberg KA9DFZ, Ron Yokes W9BCK, John Thielen WA9KNY, Antonio Bustamante KC9TDC, Bill Howe KA9WRL, Tom Murtaugh W9VBQ, Brian Skrentny N9LOO, Art Davidson KC9PXR, Mike Yuhas AB9ON, Kristian Moberg K9TFP, Janice Hoettels KA9VVQ, Stan Kaplan WB9RQR, Terry Koller KA9RFM, Richard Holt AB0VF, Kate Holt KB0SIO, Tom Trethewey KC9ONY, Kent Christiansen N9WH, Tom Nawrot AA9XK, Julia Nawrot KB9WBQ, Chuck Curran W9POU, Robert Frank N9NRK, Jim Russell W9JRX and James Caraway W9LLL.



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The North American Center for Emergency Communications, (NACEC)

Why the rush to get this organization funded and ready to respond?

Reason #1: Jan. 12, 2010

Event: Earthquake 7.0
Location: Haiti
People:
Affected: 3,000,000
Deaths: > 200,000
Communications:
Requested: Yes

Reason #2: Feb. 27, 2010

Event: Earthquake
8.8
Location: Chile
People:
Affected: 2,000,000
Deaths: > 800
Communications:
Requested: Yes

Reason #3: Where Next? Will we be ready to respond and serve?

What can you do? Provide your financial support & Volunteer

Follow us on:



NACEC
P.O. Box 174
Aurora MN 55705
USA

Phone: 218.305.4100

March 23, 2010

Dear Edward T Rate,

I read on the ARRL website that you are the contact person for the Ozaukee Radio Club, Inc. .

I am the Executive Director of The North American Center for Emergency Communications, Inc. (NACEC), a non-profit emergency communications organization, which is still based in Minnesota. This organization has been more or less dormant for about the last 10 years, but it is currently in the process of becoming very active. The mission of our organization, founded in 1992, was refocused in January 2010 to provide commercial communication support to large scale disaster areas here in the US and around the globe. We will accomplish this by providing field teams which will include commercial communications technicians who hold an FCC GROL or equivalent license and at least 5 years of experience. The field team will be equipped so they can provide commercial radio and digital communications systems to meet the immediate communications needs of the aid and relief organizations and agencies serving within the disaster area. The field team technicians, if needed, will also provide their technical skills to assist in bringing local communications systems back online. We expect this last item will be used more in developing countries.

From time to time during large disasters our field team technicians may benefit from the assistance of volunteers from the amateur radio community. We are looking for volunteers from the amateur radio community first because it is made up of individuals whose professions vary widely, from doctors and attorneys to auto mechanics and retired lumberjacks, yet who have many things in common with our commercial communications technicians and this organization. They share an interest in communications, electronics and a desire to be of service to others!

Can you bring our need for volunteers to the attention of your club's members? I have set up a special volunteer application form for use only by licensed amateur radio operators who wish to volunteer their time and skills to help our technicians bring communications back into large scale disaster areas. This application can be found at www.nacec.org/vol_app_ars.php.

As we expand our organization and its capabilities, we hope that you and your club members will follow our progress and take an active role in our success. You can also follow us online if you wish. You will find links to our Twitter, Facebook, and email following accounts on the lower left-hand side of most pages on our website. www.nacec.org.

Should you have any questions I hope that you will contact me directly.

73

Edward Addy KEØEG, Executive Director
North American Center For Emergency Communications, (NACEC)
P.O. Box 174
Aurora, MN 55705

Ph: 218-305-4100
Web: www.nacec.org

AGENDA

December 8, 2010

1. 7:00 – 7:30 PM – Network & Rag Chew
 2. Call to order – Bill Howe (KA9WRL)
 3. Introductions.
 4. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 5. Program: Prop Pitch Motors & Rotators by Chuck Curran (WA9POW)
 6. Fellowship Break
 7. Auction.
 8. Acceptance of Minutes as printed.
-
9. Treasurer's report – Nels (WA0JOB).
 10. Repeater report – Mark Tellier (AB9CD)
 11. Committee reports.
Nominations – Mike Yuhas (AB9ON)
Fall Swapfest – Tom Ruhlmann (W9IPR)
Other:
 12. OLD BUSINESS
 13. NEW BUSINESS
Other
 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, Dec. 8th, 2010

7:00 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 XXIV

January, 2010

Number 1

From the President

De Bill Howe II (KA9WRL)

I've been asked why I enjoy introducing Amateur Radio to Scouts and School groups. After all, a lot of Hams pretty much keep to themselves, almost becoming a hermit down in the Ham Shack, only sharing their experiences at Hamfests and Club Meetings.

Well, my answer is simple. I don't want the hobby to die. The more youngsters involved at an early age generally translates into more Amateur Radio Operators later in life. Simple, yes? Maybe not.

Amateur Radio, in the eyes of the kids today seems archaic, compared to the incredible array of high-tech electronic games on the market within the past few years. It's a real challenge to get anyone interested in such an "old fashioned" hobby, mainly enjoyed by senior citizens.

When talking to Scouts and School groups, I have to remind myself to keep the presentation simple, but at the same time new and exciting! The equipment demonstrated can be a mixture of antique, fairly modern and state-of-the-art, but it has to "dazzle", if you will, the young minds with our version of "smoke and mirrors".

The presentation should evoke a feeling of becoming a new adventure into space for the students. It should certainly include a "hands on" session, whether it's pounding away on a straight key (hooked to an oscillator), trying to spell their name in code, or talking on an HT to a Ham across town, it's the endless variety available to Ham Operators that we must try to get across to them.

If possible, I like to show them how we can access the internet via Ham Radio, how we can send and receive pictures using slow-scan and fast-scan technology, how D-Star can close the gap between cities and continents, how we can track satellites and communicate via moon bounce and meteor scatter. I also like to display some simple "home-brew" equipment that they can actually build themselves. As I said, the possibilities are endless!

Also important is making them understand the difference between Cell Phone communications and Amateur Radio communications. How we can use low-power devices to talk around the world, either for our own enjoyment or for an emergency situation. I'll bring along ARRL and Scouting handouts for the students to take with them. If it's a small group, I may provide a Ham Radio DVD for each participant to take along and view at home.

Again, I don't want the hobby to die. I also really enjoy talking to the youngsters about Amateur Radio and I think, if you want to get involved in this facet of the hobby, you will too!

Election of Officers

The nominating committee consists of Mike Yuhas (AB9ON) as chairman and Tom Ruhlmann (W9IPR), Ed Rate (AA9W) and Stan Kaplan (WB9RQR).

The following are nominated by the committee to serve on the ORC Board for the 2010 year.

President – Bill Howe III (KA9WRL)

1st Vice President – Chuck Curran (W9POU)

2nd Vice President – Mark Tellier (AB9CD)

Repeater VP – Open

Treasurer – Nels Harvey (WA9JOB)

Secretary – Patrick Sullivan (KC9LRK)

Contesting

De Bob Truscott (W9LO)

Until a couple of hours ago I had been struggling with what I considered a serious conflict of interest, but that all went away when I sat down at the breakfast table this morning (Monday) with a copy of the Journal Sentinel in hand. Those of you who are avid Packers fans, AND serious contesters will understand my problem, but the rest of you probably couldn't care less. You probably know that the Packers clinched a position in the NFL playoffs a week ago, and ever since that time the experts who are supposed to know about these things kept saying that the Packers would play their first playoff game on Saturday, Jan.9. That also happens to be date of the North American CW QSO Party, my current favorite contest. It's a 10 hour contest, and the football game would steal 3 hours right out of the middle of it. So that was my problem, to choose between giving up 3 hours of contest time or skipping the football game. I even checked with NFL.com late last night, and they confirmed that the game would be on Saturday. But when I got to the sports page of the morning paper I found that the NFL had changed the schedule, and that the Packers would play on Sunday. Problem solved—I will now have the best of both worlds. It's a great contest. Join me on Jan. 9 for 10 hours of great CW fun.

Coming up in January:

Jan. 9 North American QSO Party—CW Rules at www.ncjweb.com/naqprules.php

Jan. 10 North American QSO Party-SSB Rules at www.ncjweb.com/naqprules.php

Jan. 23 ARRL January VHF Sweepstakes Rules at www.arrl.org/contest

Jan. 30 CQ WW 160 Meter Contest, CW Rules at www.cq160.com

Club Members Reported Scores:

Nov. ARRL Sweep Stakes (SS), CW

W9LO 705 Q 77 Mults
Score 108,570

W9XT 217Q 66 Mults
Score 28,644

W9KHH 205Q 69 Mults
Score 28,290

Nov. ARRL Sweep Stakes (SS). SSB

W9XT 271Q 80 Mults
Score 43,360

CQ World Wide (WW) CW Contest

W9XT 93 Countries, 29 Zones
Score 137,738

ARRL 160M CW

W9XT 629Q 73 Mults 17 DX
Score 118,080

W9LO 247Q 53 Mults
Score 26,182 QRP

W9KHH 215Q 51 mults, 1 DX
Score 22,183

Have Fun Contesting.

Bob, W9LO

VHF & UHF

De Todd Sprinkmann (KC9BQA)

Our focus this month is the ARRL VHF contest from 1pm Jan 23 until 10pm Jan 24. <http://www.arrl.org/contests/rules/2010/jan-vhf-ss.html>

I'm promoting an ORC angle to this contest again. Last year had focused activity periods to welcome newcomers and FM-only stations to operate. We are doing this again in 2010. Not just for ORC, but for hams all across SE WI. Save time on your calendar for some VHF contesting the weekend of Jan 23-24. Spread the word.

The ORC angle is this: With 15 or more ORC entries in this contest, plus at least 15 contacts

in each log, I'll award a traveling plaque to the top ORC scorer. Tips about how to play in a VHF contest are at <http://www.kc9bqa.com>. Newcomers are more than welcome, and the veterans will need to help recruit more activity. Talk it up at the ORC meeting Jan 13th and on the repeater.

Making 15 contacts isn't hard, if there's enough activity and your station is capable of working 15-30 miles on simplex. If you work 8 stations on both 6 and 2m, you've qualified. Bands like 1.25m and 70cm are also in play. Your contacts can be FM, SSB or CW. One thing – in a VHF contest, you can't work the same station twice, using different modes on the same band. But you want to work them on the different bands you have in common. You hear "any other bands?" a lot during a VHF/UHF contest.

The 15 contacts rule is to ensure that you give a good effort. No making 2 or 3 Q's, saying "that's good enough" and pulling the plug. After the contest, I will review the logs myself to verify that the conditions were met. We can talk about logging later – that info will be on my website. Main thing right now is to make your contest plans and spread the word. Get 15 or more ORC entries lined up and win the plaque.

I know W9GA and I will be on, so you already have two. Oh yes... the award will go to a newer contester who tries hard. Big guns and multi-year veterans are not eligible.

VHF Contesting is more relaxed than HF, and you don't need a superstation to have fun. You do need activity, though, and that's what I try to promote – ACTIVITY. If you have 6 or 2 meter gear, then you are all set. 6 and 2 are the bread and butter bands in any VHF contest. Check out a great article in the January QST, on page 79. It's about how FM simplex can be a training ground for VHF Contesters. The QST article gives nice publicity to Wisconsin's own MRAC club. MRAC has run an FM simplex contest for a decade or so now, and it gets very good participation from dozens of hams all across SE WI. It runs on Feb. 21st this year – make plans to operate that Sun. afternoon. http://www.w9rh.org/fm_simplex_contest.htm

Back to the ARRL Jan 23-24th VHF Sweepstakes. Again, I will be posting detailed tips and hints on www.kc9bqa.com. You'll also get some short reminders on the ORC Yahoo re-mailer. For now, make sure your rigs, antennas and feedline are A-OK.

The activity periods where FM ops are urged to concentrate will be from 2-6pm on Sat. Jan 23, and from 7-10am on Sun. Jan 24th. Here are the suggested frequencies:
2m: 146.550, 146.580 primary; 146.46 and 146.49 secondary. Spread out if it's busy!
6m: 50.525 primary; 50.550, 50.575 if busy.
1.25m: 223.500 primary; 223.525 if busy.
70cm: 446.000 primary; 446.025 if busy.

If you have questions, please ask them on the ORC Yahoo group, or email sprinkies@excel.net. Far more info will be on www.kc9bqa.com, also.

Low-Band Receiving

De Tom Ruhlmann (W9IPR)

Thanks to the "Century Club" 160 meter net I have made confirmed 160 meter SSB contacts in just about all the states except Hawaii. In an effort to get more range I determined I needed a vertical or at least an inverted L antenna that would produce a lower angle of radiation. Once that was completed and I still didn't work a "KH" station I concluded that they could probably hear my kilowatt but due to background noise I couldn't hear them.

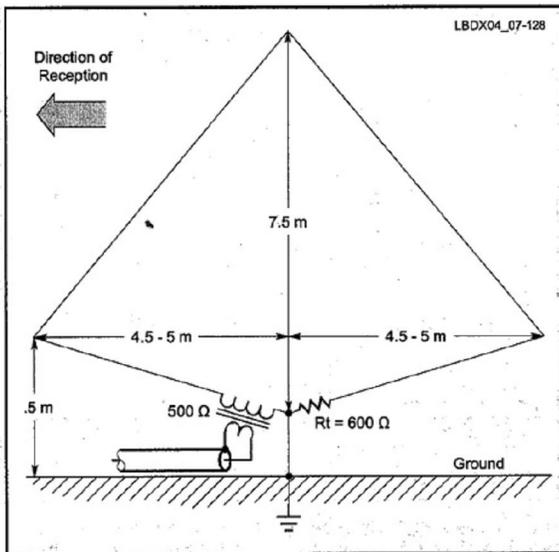
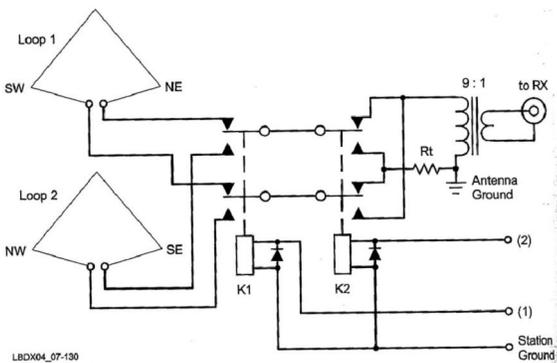


Fig 7-128—The K9AY loop.

ARRL “Low-Band Dxing” by ON4UN

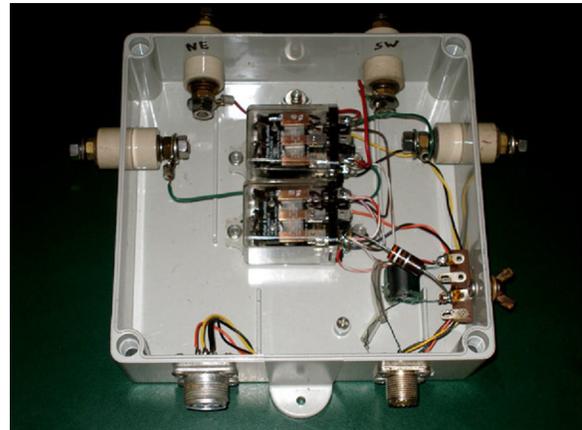
So I decided to install a “top bands” receiving antenna to minimize the received noise and improve the signal to noise ratio so I could pick them out of the static.

After researching various types of receiving antenna I decided to build a K9AY system. It required a minimum of space (a circle approximately 40 ft in diameter and a support at the circle center of about 30 ft in height) and materials. No, it doesn't have the signal gain of a vertical or dipole but by minimizing the noise and providing directivity I should be able to read a weaker signal. Just refer to the handbook or do an internet search on K9AY and you can learn much about receiving antenna and the options. I won't attempt to provide a tutorial on the antenna but just present my approach to its construction and installation.



ARRL “Low-Band Dxing” by ON4UN

The total antenna consists of two identical loops of less than 1/8 wavelength. The antenna impedance is approximately 450 ohms so a 9:1 transformer is wound on a small ferrit core. The output side of the antenna and terminating resistor (R) are switched by relays K1 and K2 which are controlled from a control box in the station.



The antenna relays, connectors and terminating resistor were housed in a water tight plastic box that I got at the ORC May swapfest for \$2.00. The robust feedthrough insulators form the terminations for each side of the loops.



The antenna control box was mounted on a treated post in among the surprize lilies.

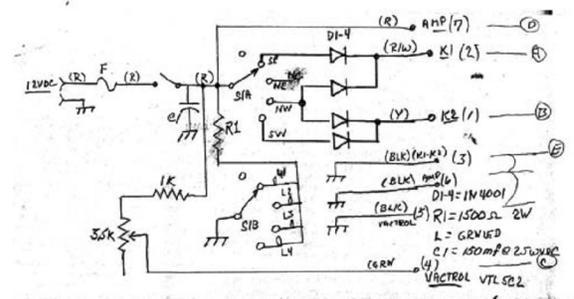


The receiving antenna performance can vary with "ground" conditions so a good ground is required. I used an 8ft. 3/8" copper rod and installed it using a home made driving cap pipe.



Two 45 degree plastic conduit elbows were joined at right angles and used to support the apex of the two loops from an overhead tree limb.

A 2 ft length of PVC pipe was put into the ground to act as a socket for the 8 ft length of PVC pipe used to support the loop corners. This allows the antenna to be easily disassembled if desired. There is a pully at the top of the pipe and the loop corner is supported by a rope through the pully and weighted by a milk jug filled with sand. This allows the supporting tree to move and sway without stressing the antenna loops.



Naturally, I redesigned some of the circuitry of the shack control box for the antenna control. I decided to use a 12 volt "wall wart" rather than building an internal power supply and also to include provision for 4 LEDs to indicate the antenna receiving direction. Since I had 6 available control conductors to the antenna I decided to include a conductor for control of a

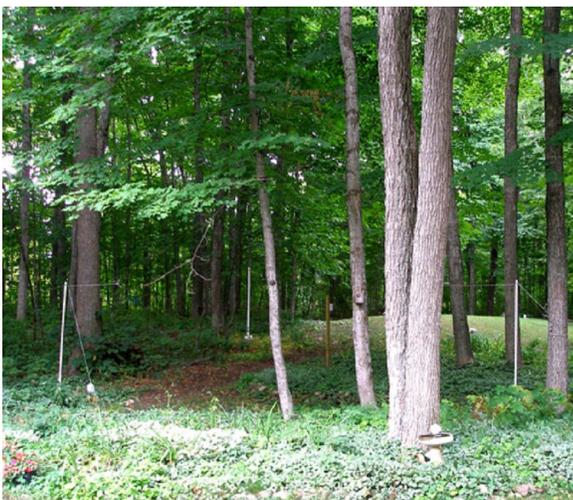
variable terminating resistor and potential signal amplifier to be added later.



The control circuitry was made completely from the junk box using an old "A-B" switch for the control box itself.



The control labeling was made using white lettering on clear tape in a labeling machine.



And there it is installed as seen through our kitchen window. The XYL was not impressed with the white PVC support poles. Obviously it was important to find a way to hide or camouflage this creation if I was ever to make a top band contact with Hawaii.

It's amazing what a couple of cans of "camo" paint from the hardware store can do for a relationship. The white PVC supports etc. were sprayed with some brown and then green (camo) paint and they seemed to disappear – at least in the summer time.



Does it work? Well yes, weak signals are much more readable on 160 and 80 but I did not get quite the pronounced directional properties I had hoped for. The directional properties are known to vary with ground conditions and that requires variation in the value of the loop terminating resistor. That's when Gary (W9XT) introduced me to the K9AY loop antenna terminating resistor switching unit he now provides through his company, Unified Microsystems. You got it – I am now modifying the shack control box and will complete the mod of the antenna relay switching box termination resistor package when the snow stop's flying. I will be listening for you on 160 – it's a fun band.

Upcoming Events

Jan. 13th – A meeting program about building and operating model gasoline, steam and heat engines will be presented by Terry Koller (KA9RFM). These are really something to see.

Also, we will have elections for ORC Board of Directors at the Jan. 13th meeting.

Don't forget the West Allis Radio Club Swapfest Jan. 9th at the Waukesha Expo Center by the airport.

Also, there is a new Swapfest in Fitchburg (near Madison) on Jan. 23rd.

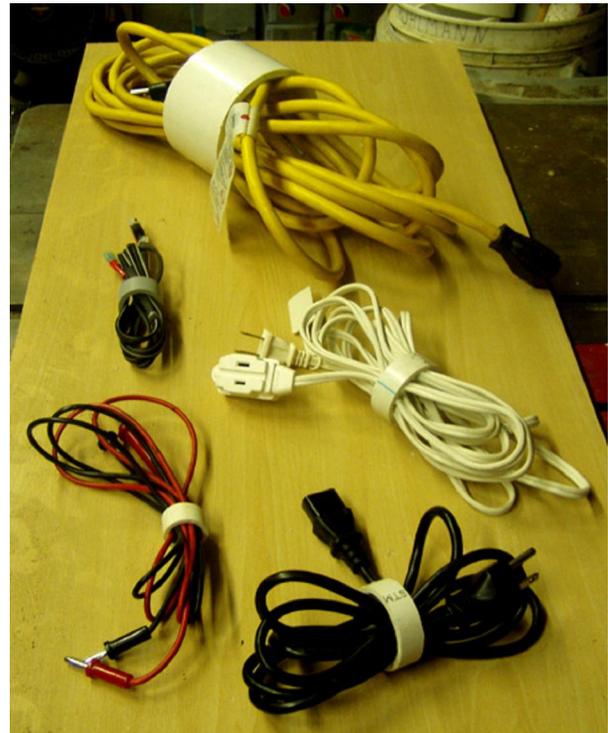
Club Static

Our condolences to Ted (N9LLT) and Mark Heilmann (N9SVE) whose father passed away recently.

Tips and Tools

So you are wondering what to do with those scraps of PVC pipe from your last plumbing job?

Why not cut them into slices and use the rings to secure test leads, extension cords etc. and lengths of rope.



Minutes– Dec. 9th, 2009

De Chuck Curran (W9POU)

Opening of the Meeting:

Club President Bill Howe, KA9WRL called the meeting to order at 7:30 PM.

Announcements:

Mike Yuhus AB9ON shared with the group the pending openings on the ORC Board. He asked all present to consider becoming part of the Board

Nels Harvey, WA9JOB announced a new Hamfest taking place in Fitchberg, WI on January 23, 2010.

Awards: None

Program:

Chuck Curran W9POU had a presentation on large 9-24 Kw Tesla Coils

Auction:

Items were auctioned off by Stan Kaplan WB9RQR and Jon Gilmore KB9RHZ. A nice flat screen monitor, speakers and CAT 5 cable were all available for bidding.

Minutes:

The minutes as recorded by Chuck Curran W9POU, were listed in the newsletter. It was moved by Stan Kaplan WB9RQR to accept the minutes as written, it

was seconded by Terry Koller KA9RFM. There was a 100% vote in favor of this.

Treasurer's Report:

Nels Harvey, WA9JOB, went over the current state of the treasury. An update on the newly installed 10 meter system was provided. Jon Gilmore, KB9RHZ, moved that the Treasurer's report be accepted, this was seconded by Stan Kaplan WB9RQR. There was a 100% vote in favor of this.

Repeater Report:

Nels Harvey, WA9JOB, said a trip to Belgium was made and the transmitter was replaced. It was suggested that it will help if as we drive around the county, we should listen on the 440 MHz band and listen for interference on 440.37 MHz. Time Warner cable has some leakage issues and they have modified and repaired several issues to date.

Committee Reports:

Membership Committee: Dave was absent, so no report was offered.

Post Everything Party

Bill Howe KA9WRL, reported that the American Legion Post is heavily booked already. The only open dates are Friday's during March, or Sunday afternoons. A vote was held and the final was 11 in favor of a Friday night, 2 in favor of a Sunday afternoon, and 0 in favor of April. A date on a Friday will be set.

Swapfests

Tom Ruhlmann W9IPR will be preparing a flyer for the May Swapfest. Tom added that the September Swapfest is also all set.

Corn Roast/Light House Event Discussion

The Corn Roast will be held at the shelter in Port Washington. The Lighthouse event will take place to the east of the Corn Roast

Old Business:

Two items are listed on eBay for sale; the first is 3 Mickey Mouse radios, while the second is 2 miniature magic eye tubes

New Business:

Tom Ruhlmann, W9IPR motioned that a donation of \$200.00 to the ARRL be considered at the next Board meeting. Mike Yuhas, AB9ON, seconded the motion. Board will discuss this at the next meeting.

Tom Ruhlmann W9IPR motioned that a donation of \$100.00 to the Grafton Senior Center be considered by

the Board since a reduced amount of ORC activity was taking place during Grafton parades and other items supported in the past. Mike Yuhas, AB9ON, seconded this motion.

Adjournment: Jon Gilmore KB9RHZ moved to adjourn; this was seconded by Stan Kaplan, WB9RQR. All were in favor.

Attendance

Jon Gilmore KB9RHZ, Stan Kaplan WB9RQR, N9LLT, Kent Christiansen N9WH, Ed Rate, AA9W, Nels Harvey, WA9JOB, Todd Fast, N9DRY, Mark Fielkow, KB9PXE, Chuck Curran, W9POU, Patrick Sullivan KC9LRK, Tom Ruhlmann W9IPR, Bill Howe KA9WRL, Cindy Douglas, KA9PZG, Terry Koller, KA9RFM, Mike Yuhas, AB9ON, Bob Frank, N9NRK, Tom Nawrot, AA9XK, Ray Totzke, W9kHH, Mark Tellier AB9CD, Tom Ruhlmann, W9IPR (Note: heavy snow kept attendance down tonight)

AGENDA

January 13, 2010

1. Call to order – Bill Howe (KA9WRL)
2. Introductions.
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 - Jan. 9 – West Allis RC Swapfest
 - Jan. 23 – Fitchberg Swapfest
 - Jan. 23 – VHF Contest Trophy
4. Elections
5. Program:
6. Fellowship Break
7. Auction.
8. Acceptance of Minutes as printed.
9. Treasurer's report – Nels (WA0JOB).
10. Repeater report – John (W9NRG)
11. Committee reports.
 - PEP Committee
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, Jan. 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.



ORC Repeaters on 146.97, 224.18 and 443.750 MHz -

Callsign W9CQO

Web site: www.ozaukeeradioclub.org

Volume XXVIV

February, 2010

Number 2

New Board of Directors

The 2010 Board of Directors was elected at the January meeting.



Those elected were (from the left):
Nels Harvey (WA9JOB) – Treasurer
Patrick Sullivan (KC9LRK) – Secretary
Ed Rate (AA9W) – appointed Trustee
Mike Yuhas (AB9ON) – Past President
Bill Howe (KA9WRL) – President
Mark Tellier (AB9CD) – Repeater VP
Jim Albrinck (K9QLP) – 2nd VP (External)
Chuck Curren (W9POU) – 1st VP (Internal)

From the President

De Bill Howe II (KA9WRL)

As many of you know, my Dad, "Scotty", K1AUN is now a "Silent Key". He passed away on January 13th at 92 years of age.

He was quite the character and a man of many talents. In his younger days he was a Scout Leader, an avid pilot, a mean Banjo player

(played "black face" in Minstrel Shows up in Kaukauna) and, of course, a Ham Radio Operator!

Dad always enjoyed showing off his prized QSL cards, which included Kings and well known celebrities, which I'll bring to a meeting in the next few months.

After graduating from the Rhode Island School of Design, he joined the Army Air Corps in 1937, serving both as a glider pilot (Waco CG-4a) and flight instructor (C-47 Transport). He was an active participant in Normandy Invasion, the Rhine invasion, and Operation Market-Garden in Holland.



"Scotty" Howe, K1AUN
Cochran Field, Macon, Georgia 1941

No. 100 BT13A "Vultee"
Pratt & Whitney 450 HP

I have his old canteen, which is inscribed "Labrador, Greenland, Iceland, Scotland, England, Belgium, France, Holland & Germany, 1944-45".

After his military service, Scotty worked as a locomotive Fireman and Engineer for the Chicago and Northwestern Railroad and for the Raytheon Corporation (for twenty three years) where he was in charge of advanced development of Sonar-related technology for the War Department and many Civilian Industries.

Dad was a Life Member of the ARRL and somewhere along the line he was an official "Listening Station", either for the ARRL or the War Department some 50 miles out in the Atlantic Ocean on Cape Cod. Allegedly, the antenna arrays were something to behold!

In his retirement, he summered on Cape Cod and wintered in Deland, Florida. He was an active Shriner and 50 year Mason, but found time to check into many Amateur Radio Nets, including the Milwaukee/Florida Net and the Rooster Net on the East Coast.

K1AUN had a great sense of humor. I'll miss his phone calls and his favorite jokes. By the way, his last words to me were "I'm enjoying poor health".

Mike Greenfield, N9JIY SK

De Vic Shier (KB9UKE)

Mike Greenfield passed away on Saturday January 9, 2010. Mike was a member of the ORC and the Washington County Amateur Radio Club where he had held various positions as a club officer. He was also an Assistant Emergency Coordinator for Washington County ARES. He could be found on 2 meters but his favorite mode was CW. He had been the manager for the Wisconsin Slow Speed CW Net and he was a member of FISTS CW Club.



I first met Mike at an ORC meeting. After that we sometimes talked on 2 meters during drive time commutes. Mike liked unique things including uncommon modes of communications. Some of you will remember that he gave a presentation on Heliography-sending Morse code with mirrors. Most of our 2 meter contacts were on simplex which he preferred over using a repeater. He even had a HF rig in his truck so he could do CW while mobile using a 9ft CB whip.

But it was when I joined the Washington County ARES group that I got to know Mike on a personal level. He and I, along with Richard Engel (K9RWE) had been appointed as AECs for the Washington County ARES group. He showed up at one of our planning sessions on his scooter, removed his helmet and donned a smart looking Greek fisherman's cap. While I focused on the problems we faced, Mike focused on the progress we had made. He encouraged all of us with his positive attitude and smile. Over the past 2 years Mike has been a sparkplug in building the Wash ARES group; he set up a weekly net, established monthly meetings, acted as moderator and secretary, and represented the group at the SE Wisconsin District ARES meetings.

Mike has made a huge impact on the Wash ARES group and for that I thank him. When I

remember Mike I will picture him with a wide grin and a smart cap as he drives off in this little red pickup with plates of N9JIY.

Contesting

De Bob Truscott (W9LO)

It's time to start thinking about THE WISCONSIN QSO PARTY again. Mark your calendars, and reserve some time for it on Sunday, March 14, from 1:00 PM to 8:00 PM, local time. That date also happens to be the first day of daylight savings time, so be sure to set your clocks ahead 1 hour before going to bed on Saturday night. As usual, we'd like to see as many club members as possible get involved. The more logs we submit, the better chance we have of recapturing the club plaque. It doesn't matter if you have 10 Qs or 500 Qs, we need them all. You may work phone, CW, or a combination of the two, 80 through 10 meters, plus VHF/UHF. There's fun for everybody, regardless of your class of license. And a thing that's been missing for several years is a mobile station. Mobiles can be very productive because they are permitted to work any station from each county they visit, plus they get a 500 point bonus for each county from which they work 12 or more stations. So who wants to give it a shot? The more the merrier, but it's time to start assembling and testing your stations if you do. How about you, WI9M? You're all set—all you need to do is find a driver.

For more details visit www.warac.org, the contest sponsor. As of today, Feb. 3, the 2010 rules are not posted, but I assume they are the same as the 2009 rules, which are.

Coming up in February:

Feb. 7 North American Sprint—CW

Rules at www.ncjweb.com

Feb. 13 CQ WW RTTY WPX

Rules at www.cqwxrtty.com

Feb. 14 North American Sprint—phone

Rules at www.ncjweb.com

Feb. 20 ARRL DC Contest

Rules at www.arrl.org/contest

Feb 26 CQ WW 160 Meter SSB

Rules at www.CQ160.com

Feb 27 North American QSO Party Digital

Rules at www.ncjweb.com

Have fun contesting. Bob, W9LO

VHF & UHF

De Todd Sprinkmann (KC9BQA)

The ARRL January VHF Sweepstakes saw improved activity in/near S WI for the 2nd straight year. The improved activity was especially strong in N ILL on both FM and SSB.

Band conditions were quite good to the south on Sat. afternoon and evening. Signal strength improved as you went above the 144 band. Saturday was clearly the better day to contest.

The FM activity period of 2-5pm on Saturday appears to have been a bust in the area around Milwaukee and north. I was very busy on SSB, but watched the LED S-meter on an FM rig. That S-meter rarely lit up. In Jan 2009, many ORC, Sheboygan and Milwaukee hams supported the FM activity in a big way.

I asked for ORC scores to see if someone from the Club would win a plaque. I received no emails with scores, so no plaque.

There is much good news with respect to my multi-state push for more weak-signal (meaning beyond the horizon, or DX) activity on VHF/UHF. We have big numbers of check-ins to weekly SSB and FM nets. Contests have gotten busier. After doing this promotion for a few years, some trends are emerging. For instance, the La Crosse region turned out 20+ hams for the Jan. contest, much like last year. Prior to 2009, I never heard more than 3 hams in that area.

With ORC, it's a different story. When the nets started up last summer/fall, we had at least 15 unique ORC check-ins over a several month period. I now think they were perhaps curiosity-seekers, which is natural, and was appreciated. A lot of you helped get the nets off to a solid start.

Nowadays, we have 3-4 ORC check-ins that I can think of. They are loyal, and I'm grateful for them. Because I promote the nets via email twice weekly to at least 15 different groups within 500 miles of WI, we have plenty of "business" and many in the weak-signal community are spreading the word about what is happening in Wisconsin, every week.

But with ORC, it is probably time for a break.

In any club of say 100 hams, it would be unusual to have more than 10-20 with a true interest in weak-signal VHF/UHF. ORC is probably no different. After a year and a half, I am not likely to turn on any new light bulbs.

I've explained contests, propagation, operating procedures and antenna projects. I've issued at least 150 invitations to SSB and FM nets. Told you about my website, which has all the info you really need. Spoken to both the ORC swapfest and an ORC meeting. Tried Field Day twice in the VHF/UHF van. Glad I did all of that. Still appreciate the Operator of the Year award that was presented last fall. Very kind of ORC to recognize my efforts.

I'm going to continue doing what I have. I'm just no longer going to include ORC in the twice weekly reminders. I will send reminders with the dates of various contests and sprints.

Those of you who want my info, you know where to get it. <http://www.kc9bqa.com>

You know about the weekly SSB and FM nets. You know I adore V/UHF contests. If you ever want help, just email. If you want to keep getting weekly net reminders, ask me to add you to an individual email list.

Whatever it is you enjoy about hamming, promote it in a friendly and encouraging way. Amateur radio needs this.

73, Todd KC9BQA

Half Million Mile QSOs

By Gary Sutcliffe, W9XT

The concept of bouncing a signal off the moon and receiving it on the other side of the world on VHF has captured my imagination since I became aware of the technique early in my ham career. Making moon bounce or EME (Earth-Moon-Earth) contacts became a ham radio life goal of mine.

VHF signals normally travel line of sight. A well equipped 2 meter CW or SSB station might have a reliable range of only 150 miles or so. Hams using FM have even less range. Occasionally we will have an inversion in the atmosphere and the range can go out several hundred miles. Tropospheric bending, or Tropo, is a bane to repeater users when a re-

peater in another state interferes with the local one. Weak signal VHF'ers love it though

The 2 meter band has some other interesting propagation modes. Signals can be bounced off the northern lights, or aurora. The signal is distorted by the aurora. SSB signals sound like Donald Duck and CW signals have a buzzing sound. CW is the normal mode on aurora because of the weak nature and distortion of aurora signals.

Another technique is to bounce signals off the trails of shooting stars, or meteors. This is usually done during meteor showers that happen a few times a year and meteors can occur at rates of 50-100 per hour on a good shower. Contacts are usually scheduled and follow a pre-defined sequence. When a meteor enters the atmosphere it forms an ionized trail. If the meteor is large enough, the trail can reflect 2 meter signals for a fraction of a second, up to maybe 30 seconds for a really large one.

Aurora and meteor scatter can provide contacts up to around 1400 miles. A few stations in the center of the United States have managed to work all of the continental states using these terrestrial modes, but working Alaska or Hawaii or more than a few DXCC countries is not possible. Other than using satellites, the only option is to bounce the signal off the moon.

The technical challenges of transmitting a signal and receiving the reflection off the moon are enormous. The distance the signal must travel is close to a half million miles. The moon only reflects about 7% of the signal that reaches it. The receive frequency will change due to Doppler shift because the moon is moving. The polarization will change due to Faraday rotation as the signal travels through the ionosphere, causing deep fades. Oh yeah, you also have to keep your antenna pointed at the moon as it moves across the sky.

This all leads to a minimum path loss on 144 MHz of about 250 dB. The difference between 1 μ W (.000,001 W) and 1KW (1000 W) and is only 90 dB. There is still a lot of loss to make up. Big antennas on both ends are a big start.

Narrow bandwidth receivers, and low noise front ends improve the situation. Low loss coax, high quality connectors and relays are a must.

Even with good conditions and monster antennas and legal limit amplifiers on both ends, signals may be below the noise level. Trained ears can copy slow speed CW down to maybe 15 dB below the noise. Joe Taylor, K1JT, came out with software that really lowers the bar for making EME contacts. Joe's program WSJT has a number of modes for weak signal work including meteor scatter, but JT65 is designed for EME. JT65 uses DSP (Digital Signal Processing) techniques with a PC and sound card to dig deep into the noise to pull out signals. It can sometimes pull out signals 30dB below the noise level.

JT65 is not a conversational mode. It takes a full minute to transmit call signs and signal report. Your PC's time must be set within a second of UTC. QSOs follow a set sequence similar to meteor scatter contacts.

I made my first EME contacts a few years ago. I was running a 13 element Yagi with no elevation control and 150 watts. By taking advantage of signal ground enhancement at moonrise I was able to squeak out a couple of contacts with monster stations using 32 very large Yagis and full power. This taste of EME led to a goal of building my station to make contacts with more modest stations.

I finished the first phase of this project at the end of December 2009. I put in a small tower with two 13 element Yagis with full azimuth and elevation control. I'm still running 150 watts. This is a very small station, QRP in the moon bounce world. Still, in the last month I have made a little over 20 contacts in 12 countries in North America, Europe and Asia. I also picked up a few new states toward my 2 meter WAS including California and Montana.



The stations I am working are still the bigger ones. The smallest stations I have been able to work are using 4 fairly large Yagis (12 or more elements) and a KW. There are probably about 100 stations in the world in that range, so the potential contacts are limited.

One thing I have learned is how important every dB is when you are working on the edge. The moon's orbit is not perfectly circular. The distance to the moon can vary by as much as 30,000 miles. This can affect the path loss by a bit over 2 dB. Radio noise from the sun or deep space can reduce the S/N by a few more dB depending on where the moon is located in the sky. Most of my signal reports are -24 dB to -29 dB (relative to the noise level). Signals of -27 dB are about the best you can get regular decodes in JT65, so I'm right on the edge.

Future plans are to go to 4 Yagis and an amp that will get me about 600 Watts. That will give me about 8-9 dB, and will greatly open up the number stations that I can work. WAS and maybe DXCC on 2 meters will be possible. One thing the moon bounce enthusiasts do is track the number of different stations, or "initials" they work. Like many these guys I am listing my initials on my web site, www.w9xt.com.

I am not the only ORC member active on 2M EME. Ken, W9GA, can also be found on 2 meters at moonrise. Ken is running a single Yagi without elevation control but runs a KW.

Ground gain along with more power lets him be heard by stations that can't copy my signal.

If you have an all mode 2 meter rig, at least 100 watts output, a fairly large beam and a PC, you might have all you need to join Ken and I on the moon and make QSOs with a path length of almost a half million miles. That is something only a very small percentage of hams have accomplished.

Baraboo D-Star Repeater

From: Steve Schulze
<steven9udo@centurytel.net>

On Sunday, January 31, 2010 (sometime in the afternoon) we will be changing frequency on the Baraboo D-Star port C to 145.310

The system will then be connected to the combining system and will be utilizing the same antennas as 147.315. This will give us increased range due to the height of these antennas compared to the existing antenna.

I have the change posted on dstarusers.org, dstarinfo.com and on the YTARC web site.

Where have all the "HAM's" Gone

De Jim Albrinck (K9QPL)

The Hams in the Milwaukee Area were always busy with public service events when I moved here in 1984. We had the City of Festivals Parade; the Great Circus Parade; numerous runs and bike rides and, closer to home, the Fish Days Parade in Port and the Grafton Christmas Parade. Now, with the exception of the Saukville River Cleanup, and an occasional Walk for Something, we receive few, if any calls. Why is that? Who has taken the place of the Hams?

I looked into this after we were no longer requested to help with the Grafton Christmas Parade and discovered the following:

- Because of the cost of putting on a parade, two major parades were canceled.
- Police Departments have become more hesitant to issue permits for parades, runs, walks, bicycle tours, etc., because of traffic and police overtime concerns.
- The Ham community, like it or not, has aged and has more difficulty recruiting members to brave the elements and man various "posts".
- Since 1984, the cell phone, with its myriad of capabilities (voice, texting, internet access, and video) has become a consumer mainstay. As one parade chairperson told me, "We just hit the "speed dial" on our phones and we're in contact. We don't have to be tethered to a Ham and we don't need to tell the Ham; who tells his counterpart; who receives the answer from the parade official; who relays it back, etc, etc." Granted we have Ham TV, Packet, WinLink2000, voice, etc., but we need to push the buttons.
- The advent of easily obtained Business Band, GMRS, and FRS radios. For reasons outlined above, many groups have invested in these inexpensive devices and are self-contained.
- Many Police, Fire, EMS, have improved radio systems, many channels, and an active reserve or auxiliary, which is well trained and capable of filling many functions.
- I read accounts of major disasters each month in Radio Resource, Urgent Communications, etc., and hams are usually being place in the last line of defense for Communications emergencies. On the plus side, public safety officials are urging local agencies to setup a liaison with their local Ham Club and conduct drills with them so that both groups become familiar with each others procedures.

Where have all the Hams gone? From the above list, I think you know the answer. Hope-

fully another major disaster won't happen here to convince the population and authorities that Hams can provide communications when the infrastructure fails. Let's be ready!

Post Everything Party

De Paul Schumacher

I have secured the Grafton American Legion Post for the Post Everything Party, Friday, March 26, 2010. Cocktails at 6 pm and dinner to follow.

I will be contacting a caterer and follow with more details.

Club Static

Our condolences to Jeanette and the family of Mike Greenfield (N9JIY), an ORC member and friend of so many.

Our condolences to Joe Strumberg (KA9DFZ) on the death of the wife. Joe's wife, Marlene, had been in a hospice care for some time. Services were held at Schmidt and Bartelt in Wauwatosa.

Our condolences also to our President, Bill Howe upon the death of his father "Scotty" (K1AUN) January 13th.

Next Meeting - February 10 - Show and Tell Program Night

Bring your favorite project for the **Members Show and Tell** night on February 10th. If your project is too big to bring in ... or you think its too little ... just tell everyone what you did - or you could tell us about something that you want to add to your shack. Let's see if there are some ham or computer hobby interests of the other folks at the meeting that we didn't know about! There will be something on the remailer too

just before the meeting mentioning **Show and Tell Program Night** again.

Minutes—Jan. 13th, 2009

De Chuck Curran (W9POU)

Bill Howe KA9WRL called the meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Stan Kaplan WB9RQR showed a wrap up \$15.00 USB keyboard for your computer. It is totally flexible and will coil up into a very small size.

Bill Howe KA9WRL gave a Jamboree on the Air award to Tom Nawrot, AA9XK

Bill Howe KA9WRL provided an explanation of how the 50/50 raffle works, and also mentioned the member picture taking going on in the basement. Each member was asked to have their picture taken, in the building basement, during the meeting.

PROGRAM:

Terry Koller, KA9RFM, provided a demonstration of scale, but 100% functional steam and Sterling engines. A group of 5-6 were each shown, explained and then operated. Great interest by many was shown and a series of questions followed the presentation.

ELECTIONS:

Elections for the club officers were held at this meeting. Mike Yuhas, AB9ON, opened the elections by first thanking the contributions of Tom Nawrot AA9XK and Tom Schroeder for their contributions upon their leaving the board.

The nominee's for the club officer's were as follows below:

President	Bill Howe KA9WRL
1st Vice President	Chuck Curran W9POU
2nd Vice President	Jim Albrinck K9QLP
Repeater Vice President	Mark Tellier AB9CD
Secretary	Patrick Sullivan
KC9LRK	
Treasurer	Nels Harvey WA9JOB

All the people were introduced, and then Bill Howe KA9WRL opened the floor to additional nominations for all offices. Additional nominations were asked for again, but none were forthcoming.

Dave Barrow N9UNR motioned to accept all nominated candidates in a single vote. This was seconded by Stan Kaplan, WB9RQR. The floor voted 100% in favor, thus completing the elections with the people listed above becoming the club officer's.

50/50 RAFFLE RESULTS:

Mike Eibs, KC9QNN won the raffle this evening

AUCTION

Stan Kaplan WB9RQR and Jon Gilmore KB9RHZ ran the auction. Some of the items acquired by bidders were a large spool of CAT 5 cable, two sets of computer speakers, a small air compressor, a flat screen monitor, empty cigar boxes for parts storage or whatever, a HP DeskJet 500 printer with 5 new ink cartridges, 3 sets of Microsoft Office 2000 and on and on -----

MINUTES:

Minutes for the December 16, 2009 meeting were accepted. Joe Holly AA9HR motioned to accept as written, and Patrick Sullivan KC9LRK seconded the motion. 100% vote to accept then followed.

TREASURER'S REPORT:

Mike Yuhas, AB9ON, motioned to accept the treasurer's report that had been presented by Nels Harvey, WA9JOB. Joe Holly AA9HR seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT:

Nels Harvey, WA9JOB, indicated that the repeaters are working. The Belgium radio was replaced and the link is now functional again.

COMMITTEE REPORTS:

Hats & Jackets were brought up. We need to order 12 hats at a time at a cost of \$15.00 each, while jackets are 4 per order with a cost of \$50.00, more for the largest sizes. Dave Barrow N9UNR motioned to purchase one dozen caps. Mike Yuhas seconded the motion, followed by a 100% vote in favor of the motion. Contact Ed Frac, AA9WW, in order to purchase a hat.

The Post Everything party will be held on a Friday in March, with the exact date still pending.

The May 1, 2010 Swapfest is all set to go and will be held at Circle B Recreation Center on Hwy 60 as always. The event is listed on the ARRL web site and many brochures have already been circulated at other Ham Fests in the region.

The combination Corn Roast and Light House events are going to be held on the same day in Upper Lake Park in Port Washington. This is already well arranged and many are expected to attend.

The AES Superfest was brought to the attention of the club membership. It will be held on April 9th and 10th, 2010 at the AES building on 5710 West Good Hope Road in Milwaukee.

Mike Greenfield, N9JIY, passed away earlier this week and services will be held on Friday, January 15th

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT: Kent Christiansen, N9WH motioned for adjournment; it was seconded by Stan Kaplan WB9RQR and a 100% vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Stan Kaplan WB9RQR, Jon Gilmore KB9RHZ, Ed Rate AA9W, Kent Christiansen N9WH, Dave Barrow N9UNR, Jim Albrinck K9QLP, Nels Harvey WA9JOB, Patrick Sullivan KC(LRK, Joe Holly AA9HR, Bob Krubsack WQ9N, Michael Eibs KC9QNN, Chuck Curran W9POU, Steve Cotey KC9QNO, Tom Nawrot AA9XK, Nancy Stecker KC9FZK, Mike Yuhas AB9ON, Ed Frac AA9WW, Ray Totzke W9KHH, Ken Boston W9GA, Mark Teller AB9CD, Gary Sutcliffe W9XT, Tom Murtaugh W9VBQ, Mark Fielkow KB9PXE, Todd Fast N9DRY

AGENDA

February 10, 2010

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 – Mark Tellier (AB9CD)
 10. Committee reports.
May 1, 2010 Swapfest -
Post Everything Party -
Other -
 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, Feb. 10th

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 XXIV

March, 2010

Number 3

From the President

De Bill Howe III (KA9WRL)

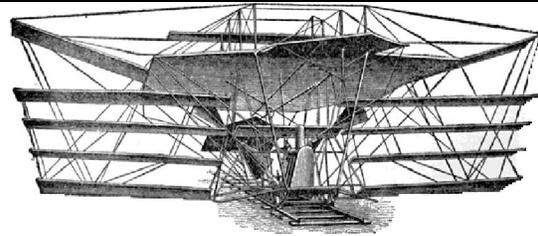
We all know about Hiram Percy Maxim and his relationship to Amateur Radio. How many of you know about his father, Sir Hiram Stevens Maxim?

I couldn't believe it, but his father was quite the interesting character! Mr. Maxim was an inventor, born in Sangerville, Maine, who immigrated to England and adopted British citizenship.



He was the inventor of the Maxim Gun, the first portable, fully automatic machine gun, and the common mousetrap.

He also laid claim to inventing the light bulb! Maxim developed and installed the first electric lights in a New York City building, the Equitable Insurance Company, in the late 1870s. However, he was involved in several lengthy patent disputes with Thomas Edison over his claims.



Sir Hiram also experimented with powered flight, but his large aircraft designs were never successful. However, his "Captive Flying Machine" amusement ride, designed as a means by which to fund his research while generating public interest in flight, was highly successful.

As a long-time sufferer from bronchitis, he also patented and manufactured a pocket menthol inhaler and a larger "Pipe of Peace", a steam inhaler using pine vapor, that he claimed could relieve asthma, tinnitus, hay fever and catarrh.



He also invented a curling iron, an apparatus for demagnetizing watches, magno-electric machines, devices to prevent the rolling of ships, eyelet and riveting machines, aircraft artillery, smokeless powder, an aerial torpedo gun, cof-

fee substitutes, and various oil, steam, and gas engines.

I didn't know much about Hiram Percy Maxim, but knew nothing about his father, Sir Hiram Stevens Maxim. Now I'll have to do some more research on MY father!

Contesting

De Bob Truscott (W9LO)

March 14 is the date: 1:00 PM-8:00 PM local is the time: 80 Meters thru 10 Meters, plus VHF is the place: CW & phone are the modes. It's THE WISCONSIN QSO PARTY, of course, the contest which ORC won a couple of years ago, and we have the club plaque to prove it. We won it because individual contributions by many club members, some large, and some small, added up to the top score in the state. And we can do it again if we just remember how we did it the first time. With a club membership of over 100, we just might come up with enough entries to win a second plaque. We have the people; all we need is the participation. Join us for an afternoon of fun—you'll like it. Rules and forms at www.warac.org.

I received a note from W9KHH the other day regarding the CQ WW 160M Contest. He said he heard no ORC members during the contest. I plead guilty—I forgot about it. It could be that Ray was the only club member who participated. He had 108 Qs, 39 states, 3 provinces, and 2 DX multipliers. W9XT had 1017 Qs and 97 multipliers for a score of 295, 947 in the ARRL DX Contest. That one sounded like fun—sorry I missed it, too.

Coming up in March:

March 6 ARRL International DX, Phone Rules at www.arrl.org/contests

March 14 North American RTTY Sprint Rules at www.ncjweb.com

March 14 WISCONSIN QSO PARTY Rules at www.warac.org

March 27 CQ WPX SSB Contest Rules at www.cqwp.com

See you March 14 at the WIQP.

Bob, W9LO

Save the Drill

De Tom Ruhlmann (W9IPR)

I noticed at a meeting auction that Ed Rate (AA9W) bought a 12V drill with a dead battery for 50 cents. I thought, now what's he going to do with that and he said he was going to put a cord on it and run it from his car battery. Great idea so when I got home I located my 13.2 volt Sears drill in the junk box and for which I had two dead batteries and then I worked out the salvage plan.



First I removed the four screws that held the battery case together and studied the battery configuration.

Next I removed the Ni-Cd package of eleven "C" cells from the case and decided the two cells with the contacts and which poke up into the drill handle had to remain intact and that's where I had to connect the cord that would connect to the outside 12 volt battery. After cutting the 9 other cells away from those two I then proceeded to determine if any of the remaining cells could be reused. I did this by attempting to charge them with a constant 100 milliamperes of current.



After a couple of hours I noted three cells in the string measured about 1.4 volts and could be reused while the other six were shorted, measured about zero volts and were not reusable.

The drill draws approximately 5 amperes at 12 volts so use of lamp cord which is AWG# 18 is most adequate. Solder the lamp cord to the ears of the contacts where the battery connections were previously soldered as it is very difficult to solder to the battery stainless steel case material.

Note which wire is positive and which is negative as the polarity must be maintained for proper operation of the drill.



Now as the battery compartment is reassembled with the cord through the back of the case the secured case will hold the battery and contacts in place.



Now the converted battery unit is reinstalled in the drill and is ready for use as powered by an external 12 volt battery. Note the use of the Anderson Power Pole connectors

Use of the Power Pole connectors allows use of a variety of battery sources from the cigar lighter receptacle to gel/cell type of batteries with "fast on" connectors.



I also have another Power Pole cable with large alligator clips which allows use of automotive and marine batteries.



So when will I use it? I really don't know but it didn't cost much to save this drill and now, if I ever do need it, I got it.

What's your next junk box project?

For Sale, Trade or ?

Hammarlund Model HQ-180A HF Receiver. It has been repaired re-tubed, realigned, and the clock has been fixed! This is the best model of that series and is now in top condition. The receiver is in near pristine condition and is a collector's model. We will be taking it to Dayton for sale at \$325 eBay price but is available for club members at \$300 firm. Contact Ed Rate AA9W for viewing. This receiver is Scholarship Fund property.

Show & Tell

There was a great response to the "show & tell" program at the February meeting.



Tom Nawrot, AA9XK presented a NorCal 40A transceiver. This Transceiver had various accessories including internal batteries with a voltage regulator and solar panel charger.



Gary Sutcliffe, W9XT presented a computer controlled switch box. This switch box is connected via a USB cable and will switch both Microphone and Headsets between radios.



Jim Albrinck, K9QLP presented a self contained APRS tracker with GPS. The tracker operates on 144.39 MHz and its location is displayed at Google maps APRS.

Ed Rate, AA9W discussed the trouble shooting and repair of a HP pavilion 2000 graphics chip. The repair included removal of the mother board and soldering of the graphics chip to the mother board.



Bill Howe, KA9WRL presented a regenerative radio. The regenerative radio receives from 4 to 15 MHz and was co-designed by Andy Ellison, KA9DOL.

Upcoming Events

The Post Everything Party is March 26th – and will be catered by Prime Minister of Mequon. Again it will be hosted at the Legion hall in Grafton and the cost is \$12 per person. Send your check to Nels Harvey to reserve your place at the table.

Cocktails at 6 pm and dinner at 7:15pm.

The dinner includes: Pepper Steak, Chicken Dijon and Tilapia; salad, mashed potatoes, rice, vegetables and appetizers and coffee.

The cost is \$12.50/person \$25.00/couple. Make payments to Nels or if you wish via my address: 4808 W. Hiawatha Drive, Mequon, WI 53092.

Please make checks payable to ORC and let us know your attendance by March 19th. RSVP to me at: paul.xgman@gmail.com. or my cell 414-640-1143.

It should be a good time and great food!!

73's Paul (KD9FM)

Club Static

Cindy (KA9PZG) and Skip (KA9DDN) Douglas have recruited an offspring into the ranks of amateur radio. Their son James passed his Technician Class exam and is now licensed as AB9VH.

Orlando “HamCation”

De Tom Ruhlmann (W9IPR)

I did make it to the big Swapfest in Orlando in February with a couple of other “HAM”s from the trailer park but it was rainy and cold.

Got there before noon on Friday and stood in the rain with others waiting for the gates to open and the flood of good deals. However the rain prevented the outside vendors from displaying their good stuff so the rest of the day

was spent inside at the amateur and commercial vendor's buildings.

Saturday was a bit more successful. It was dry but cold but not so cold as to prevent looking for those elusive good deals. While scouting the area I did visit with Leon Rediske (K9GCF) and he too is looking forward to the warmth of Florida. We have had nothing to shovel but it has been 20 degrees below normal and freezing overnight occasionally.

The net result? This year I bought more at Harbor Freight than at the HamCation but there is always the ORC May and September swapfests and the Orlando HamCation next year.

Editor's Comments

The newsletter is one way we share what's happening and who is doing what. If you have a project or a radio related experience, however small, take a moment to jot down a few notes and a photo and e-mail them to me for the newsletter. Others are interested. If you have been reading the newsletter you must have been interested in the activities of the others and the ORC. It's time to share your experiences or the newsletter could eventually become little more than publication of the meeting minutes.

Minutes— Feb. 10th, 2010

De Patrick Sullivan (KC9LRK)

Bill Howe, KA9WRL called the meeting to order at 7:35 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Mike Yuhas, AB9ON initiated the election for the Ham and Turkey of the year and ballots were passed out.

Ed Rate, AA9W announced the sale of two 100 W. Audio tubes on eBay in support of the scholarship fund.

PROGRAM:

Show and Tell

Gary Sutcliffe, W9XT presented a computer controlled switch box. This switch box is connected via a USB cable and will switch both Microphone and Headsets between radios.

Jim Albrinck, K9QLP presented a self contained APRS tracker with GPS. The tracker operates on 144.39 MHz and its location is displayed at Google maps APRS.

Tom Nawrot, AA9XK presented a NorCal 40A transceiver. This Transceiver had various accessories including internal batteries with a voltage regulator and solar panel charger.

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Bill Howe, KA9WRL presented a regenerative radio. The regenerative radio receives from 4 to 15 MHz and was co-designed by Andy Ellison, KA9DOL.

50/50 RAFFLE RESULTS:

Ray Totzke, W9KHH won the 50/50 raffle this evening.

AUCTION

Stan Kaplan, WB9RQR and Ed Rate, AA9W ran the auction. Some of the items acquired by bidders included an Hp printer, computer speakers, CAT 5 cable, zip drive, floppy drive, Linux software, calculators and a powered net work hub.

MINUTES:

Minutes for the Jan 13, 2009 meeting were accepted. Mike Yuhas, AB9ON motioned to accept as written, and David Barrow, N9UNR

seconded the motion. 100% vote to accept then followed.

TREASURER'S REPORT:

David Barrow, N9UNR, motioned to accept the treasurer's report subject to review. The treasurer's report was presented by Nels Harvey, WA9JOB. Mike Yuhas, AB9ON seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT:

Mark Tellier, AB9CD, indicated that the repeaters are working.

COMMITTEE REPORTS:

The Post Everything party will be held on Friday March 26th.

The May 1, 2010 Swapfest is all set to go and will be held at Circle-B Recreation Center on Hwy 60. The event is listed on the ARRL web site and many brochures have already been circulated at other Ham Fests in the region.

The Corn Roast and Light House events will be held on August 21, 2010 in Upper Lake Park in Port Washington.

The AES "Superfest" will be held on April 9th and 10th, 2010 at the AES building on 5710 West Good Hope Road in Milwaukee.

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT: Kent Christiansen, N9WH motioned for adjournment, it was seconded by David Barrow, N9UNR and a 100% vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Bill Howe, KA9WRL, Patrick Sullivan, KC9LRK, Ron Yokes, W9BCK, Chuck Curran, W9POU, Gary Sutcliffe, W9XT, Ken Boston, W9GA,

Nancy Stecker, KC9FZK, Ray Totzke, W9KHH, Mark Fielkow, KB9XE, Todd Fast, N9DRY, Terry Koller, KA9FM, John Thielen, WA9KNY, Mark Tellier, AB9CD, Tom Nawrot, AA9XK, Julia Nawrot, KB9WBQ, Michael Eibs, KC9QNN, Steve Cotey, KC9QNO, Nels Harvey, WA9JOB, Jim Albrinck, K9QLP, Ed Rate, AA9W, Kent Christiansen, N9WH, Dave Barrow, N9UNR, Stan Kaplan, WB9RQR, Gary Sharbuno, W19M, Mike Yuhas, AB9ON and Tom Murtaugh, W9VBQ.

AGENDA

March 10, 2010

1. Call to order – Bill Howe (KA9WRL)
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May 1 - Swapfest -
PEP –
Sept Swapfest –
Other -
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465 Beechwood Drive
Cedarburg WI* 53012

First Class

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Grafton Senior Citizens Center

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Wednesday, March 10th

7:30 PM



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Volume XXIV

April, 2010

Number 4

From the President

De Bill Howe II (KA9WRL)

Amateur Radio . . . Dead?

Only a few years ago, blogs listed Ham Radio alongside 35 mm film and VHS tape as technologies slated to disappear. They were wrong.

Nearly 700,000 Americans have Ham Radio licenses — up 60 percent from 1981, a generation ago, and the number is growing.

Ham Radio will never have the sex appeal of the iPhone (or the newly-released i-Pad), but it does have a certain nerd appeal.

If it creates its own experience, that's really what's key here. If it just emulates an experience that you can get online, it's not going to grow.

Until recently, Ham Radio was declining as older operators died. Then the FCC phased out the Morse code test that many saw as a stumbling block to getting a license. Last year more than 30,000 new applicants signed up to become Ham Radio operators.

We like to tell non-Hams and newcomers that with Amateur Radio you can talk to new people of all ages and races all over the world. It's just amazing what a little radio can do. Because no matter where you're at, if you have the right stuff and the right power you can talk to anyone.

Even the most die-hard Hams concede that Amateur Radio will never be a mainstream

hobby. With smart phones and other devices, people are more plugged in to the Internet than before. But people are still discovering the joy of communicating with a technology that's existed for nearly a century.

Contesting

De Bob Truscott (W9LO)

The WISCONSIN QSO PARTY is history. Band conditions were good and scores were high. W9XT led the ORC entrants with a score about 20,000 points higher than last year's winner, but unfortunately for our side, another station in the state had a higher score. Overall it was a fun contest, but a question being asked by of bunch of people was "where the heck were the Canadians". I worked only one, and didn't hear any others. We did well, considering that we had only 9 entries, but not well enough to win the club plaque. My guess is that we'll be in the top 10 in the club competition. Here are the reported scores of club members who participated in the contest:

	CW Q's	PH Q's	MULT.	SCORE
W9XT	399	23	109	150,583.5
W9LO	409		74	90,798
N9FH	161	117	78	51,363
WI9M	112	59	66	18,678
W9VBQ	85		41	13,940 QRP
KC9DQK	119		44	7,854
K9QLP	71		42	4,473
W9KHH	43	5	29	3,958
AA9WP	30		25	<u>3,000</u> QRP
Total				344,647.5

Thanks to all who participated. Now it's time to start thinking about Field Day.

Bob, W9LO

W9RYA, Vern Teske – SK

LuVerne D. Teske (W9RYA) passed away March 22, 2010 of long term cardiac problems.



Vern is shown here as he participated in the Presidents Roundtable at the ORC May swapfest in 2007.

Vern was 88 and originally hailed from Antigo WI. He earned his original FCC license in 1947 and while a resident of Grafton he was one of the original founders of the Ozaukee Radio Club.

Upon moving from Grafton to Oak Creek he founded the South Milwaukee Amateur Radio Club and continued as their President for 42 years. He was a driving force in area amateur radio having founded the SMARC outdoor Swapfest and scholarship fund and serving in various offices of the GM Firebird ARC and the Chapter 55 of the Quarter Century Club.

Vern was well known at area swapfests as a reliable vendor in the black hat and became known as the "Oak Creek Bandit" due to his shrewd negotiating skills related to amateur radio equipment.

Vern was well respected for his technical skills and good humor at both GM Delco from which he retired in 1987 and MATC where he taught electronics in night school.

Vern was a friend and tutor to many and a prominent figure in the local amateur radio community. He will be missed.

ORC 2009 Awards

De Mic Yuhas, AB9ON

At the Post Everything Party last week it was my pleasure to present ORC awards to a few of our deserving members. Please join me in congratulating. ..

- Chuck Curran, W9POU, recipient of Meeting Program of the Year award, in recognition of the excellent overview of tesla coils as the club's meeting program of December 2009.

- Ed Rate, AA9W, recipient of the Club Service Award, in recognition of efforts as Club Trustee to ensure the club's continued health through asset acquisition and sales, and oversight of the club's scholarship fund.

- Stan Kaplan, WB9RQR, recipient of the Ham of the Year award, for contributing to the Ozaukee Radio Club in many ways. Stan is gratefully recognized by the membership as being a key player in the success of the group.

Six additional awards (including the coveted Turkey of the Year award) were not presented, because those being honored were not in attendance. Who were these people, you ask? I can't tell you now, but you can find out when we attempt to present the remaining awards at the April ORC membership meeting, Wednesday April 14.

73

Where is Amateur Radio going today?

De Nels Harvey (WA9JOB)

When I was first licensed in 1963, it was as a Novice. Of course, money was in short supply as the head of a young family. I remember cobbling together a National NC57 receiver and a Johnson Challenger transmitter, hooking it up to a dipole antenna strung between the house and garage. Along with Larry, WA9JMO, then WN9JMO, we put the WN9JOB station on the air.

It was September, and the radio setup was in my garage. It didn't take long to become discouraged because the National radio had poor selectivity and stability, the Challenger transmitter was rock bound, and the nights turned cold. My dreams of becoming a "Big time Radio Amateur" went on hold.

In 1964, I upgraded to the Technician level, put the radios in my basement, and went on Six Meters. A TV rotor and a four element Six Meter beam got great results because of great sunspot activity. It was AM, and crystal bound on 50.4 MHz. The method of operation was to call CQ, and finish the call by saying "tuning".

That setup languished as the propagation waned, and in the meantime I went back to school, and worked my way into Broadcasting. In 1970, Two Meter FM was becoming available with new radios on the market. Soon, repeaters were established, and my activity on the air had increased to a new high level.

Today, all a person needs to do is study a book for a while, and remember question and answers, pass a 35 question test, and buy a small radio to get on the air. Yes, many people progress through the upgrade tests to the top level. Oh, and you don't need to learn what those beeps are saying any more! While some people treat with respect the privileges they have obtained, I see many others who lose interest after the novelty wears off and disappear from the airwaves.

Today, cell phones, the Internet and computers are all competing for our time. Interest in pursuing those rare contacts on Twenty Meters is less interesting than simply going to Echo link. Programs like Skype, and telephone service like Vonage and free long distance on cell phones, are successfully competing for our time, putting Amateur Radio on the back burner of the priority list. Interest in nets and competitions also is dropping off. Events no longer want Amateur Radio services because the cell phone is available to everyone. Repeater activity is notably less, and interesting conversations are no longer enjoyed by others.

I've seen great swings of interest since those days where I was shivering out in the garage, seeking the magic of Amateur Radio. Somehow, those magic days and exciting contacts are now ho hum and boring. Too many of us have moved away from great interest in this wonderful hobby, and we forget the enjoyment of our first experiences.

Where is Amateur Radio going today?

For Sale, Trade or ?

Hammarlund Model HQ-180A HF Receiver. It has been repaired re-tubed, realigned, and the clock has been fixed! This is the best model of that series and is now in top condition. The receiver is in near pristine condition and is a collector's model. We will be taking it to Dayton for sale at \$325 eBay price but is available for club members at \$300 firm. Contact Ed Rate AA9W for viewing. This receiver is Scholarship Fund property.

Upcoming Events

April 14 – ORC Meeting
May 1st - ORC Hamfest
May 2nd - Sandwich, IL Hamfest
May 8th - ORC/LeFrog Radio Merit Badge Seminar (Pioneer Village)
May 12th – ORC meeting
May 14th thru 16th - Dayton Hamvention
June 6th - Princeton, IL Hamfest

June 9th – ORC meeting

June 12th thru Monday, June 14th - ARRL VHF QSO Party

June 19th - "Tour de Cure" Bike Ride (ORC/LeFrog Radio Support)

June 20th - Wheaton, IL Hamfest

June 26th - ARRL Field Day

“Dim Light Tester”

De Tom Ruhlmann (W9IPR)

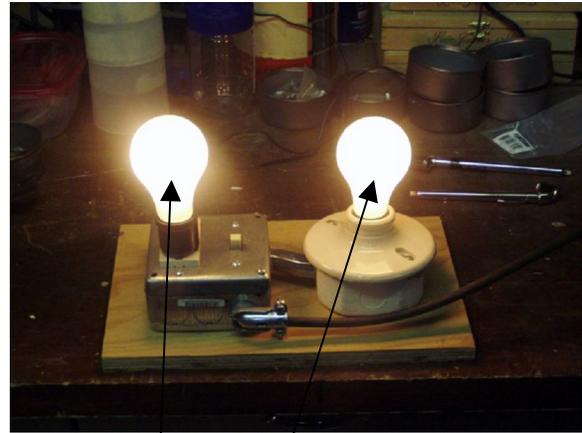
There is always a certain risk when “plugging in” an old radio that it may have a shorted power transformer, dried electrolytic filter capacitors or other failure modes which may result in a high current draw, “hot” chassis or blown fuses.

If you have a Variac it is very useful to slowly increase the applied voltage and separately monitor the AC current being drawn. However, a Variac can be relatively expensive and they are not readily available, even at local swap-fests.

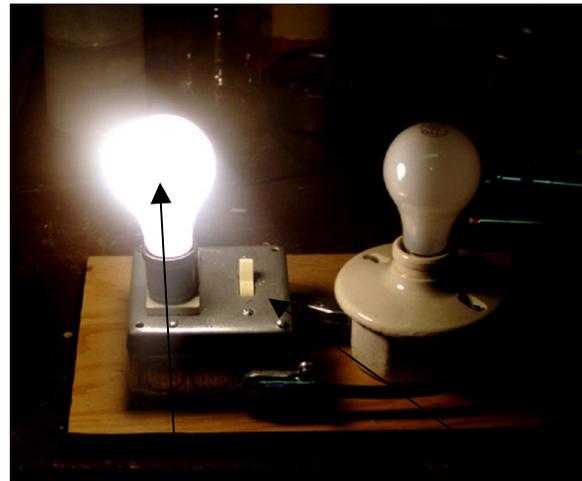


Another approach is to build and use a so called “dim light” tester. The parts are readily available in many junk boxes or at the local hardware store at small expense.

The basic “dim light” tester is simply an incandescent lamp in series with the load. In this configuration if the load is shorted the lamp will experience full line voltage and glow brightly but limit the current to that normally drawn by the bulb at full voltage. If the load is operating normally the voltage will be divided between the load and the “dim light” and neither will glow brightly.



When the load (left hand bulb) is operating normally the test lamp in series with the load will glow dimly.



This “dim light” tester includes a switch across the “dim light” so that once the load is determined to not be “shorted” but operating normally the “dim light” can be “bypassed” in the circuit and full voltage applied to the load.

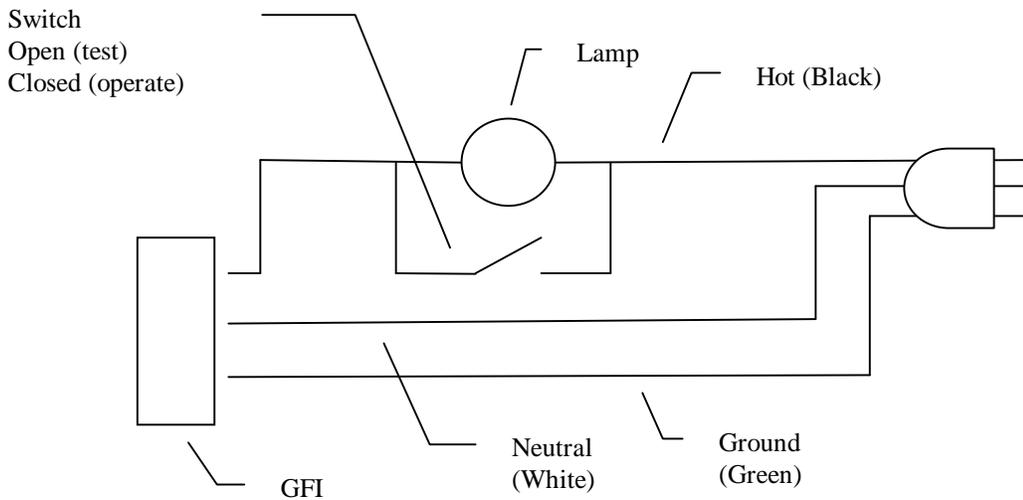
The “dim light” tester shown includes a GFI outlet, a switch to by-pass the “dim light” and a 3 wire grounded line cord and plug as noted in the schematic.



Note that when this restored vintage receiver is plugged in to the GFI receptacle of the “dim lamp” tester the receiver lamps and test lamp glows dim indicating the line voltage is being divided between the receiver and the “dim lamp”.



Once it is determined the suspect load has no short to chassis or other fault drawing high current the test switch can be turned “ON”, shorting out the “dim lamp” and applying full voltage to the load being tested.



Perhaps if you build this simple “dim lamp” tester you will be much more comfortable the next time you “plug in” that vintage radio or power supply.

More information and applications for the “dim lamp” tester can be found by running a “dim lamp” search on the internet.

Minutes– Feb. 10th, 2010

De Patrick Sullivan (KC9LRK)

Bill Howe, KA9WRL called the meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Bob Truscott's (W9LO) wife, Jean, was hospitalized for a suspected heart attack on March 9th. She is in stable condition and expected to return home soon.

J.J. Heber from the American Diabetes Association asked the members of the ORC for communication support for the "Tour De Cure". The "Tour De Cure" is a fund raising bike ride for the American Diabetes Association. The "Tour De Cure" will be on June 19, 2010 and is in the Grafton Oostburg Area. A minimum of 14 Ham radio operators will be needed. This event runs from 7:00 am until 1:00pm, volunteers will need to be in place before the event starts. Ham radio operators receive a free T-shirt and meals will be provided. To sign up, please contact J.J. Heber.

J.J. Heber
American Diabetes Association Coordinator
(414) 778-5500 ext. 6514
jheber@diabetes.org
website: <http://www.diabetes.org>

Due to a 4 way and 3 way tie for the Ham and Turkey of the year, Mike Yuhas AB9ON initiated a revote. "A puff of white smoke" indicated that the Ham and Turkey have been selected.

Stan Kaplan, WB9RQR showed a 40-10m or higher tuner that he had constructed. Either SBC or Ultimate transmatch tuning methods could be selected. The tuner is long wire and coaxial compatible.

PROGRAM: none

50/50 RAFFLE RESULTS: none

AUCTION

Stan Kaplan, WB9RQR and Ed Rate, AA9W ran the auction. Some of the items acquired by bidders included the before mentioned tuner, an 8 port 10/100 networking switch, 2 antennas that could be used for whatever the bidder wanted to use them for, an enclosure with a working hard drive in side and leather pouch for the enclosure, two USB cameras, a joystick, two 8 ohm speakers, head phones with mic, RF detector, a gas pump clock and a

telephone dialer.

MINUTES:

Minutes for the Feb 10, 2010 meeting were accepted. David Barrow, N9UNR motioned to accept as written, and Mike Yuhas, AB9ON seconded the motion. 100% vote to accept them followed.

TREASURER'S REPORT:

David Barrow, N9UNR, motioned to accept the treasurer's report subject to review. The treasurer's report was presented by Nels Harvey, WA9JOB. Nancy Stecker, KC9FZK seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT:

Mark Tellier, AB9CD, indicated that the repeaters are working.

COMMITTEE REPORTS:

The Post Everything party will be held on Friday March 26th.

The May 1, 2010 Swapfest is all set to go and will be held at Circle-B Recreation Center on Hwy 60. The event is listed on the ARRL web site and many brochures have already been circulated at other Ham Fests in the region.

There will be opportunities to volunteer to work at the May Swapfest at the April ORC meeting

The Corn Roast and Lighthouse events will be held on August 21, 2010 in Upper Lake Park in Port Washington.

The September ORC Swapfest will be held on September 11th.

The AES "Superfest" will be held on April 9th and 10th, 2010 at the AES building on 5710 West Good Hope Road in Milwaukee.

OLD BUSINESS:

None

NEW BUSINESS:

None

ADJOURNMENT:

Stan Kaplan, WB9RQR motioned for adjournment, it was seconded by Kent Christiansen, N9WH and a 100% vote

in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Ken Boston, W9GA, Nancy Stecker, KC9FZK , John Thielen, WA9KNY, Chuck Curran, W9POU, Ray Totzke, W9KHH, Mark Tellier, AB9CD, Mark Fielkow, KB9XE, Todd Fast, N9DRY, Dave Barrow, N9UNR, Michael Eibs, KC9QNN, Mike Yuhas, AB9ON, Kent Christiansen, N9WH, Ed Rate, AA9W, Nels Harvey, WA9JOB, Stan Kaplan, WB9RQR, Tom Murtaugh, W9VBQ, Bill Howe, KA9WRL, Patrick Sullivan, KC9LRK

AGENDA

April 14, 2010

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 – Mark Tellier (AB9CD)
 10. Committee reports.
May 1 - Swapfest -
PEP –
Sept Swapfest –
Public Service -
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, March 10th

7:30 PM



The

ORC

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.ozaukeeradio-](http://www.ozaukeeradio-club.org)

[club.org](http://www.ozaukeeradio-club.org)

Volume XXIV

May, 2010

Number 5

From the President

De Bill Howe II (KA9WRL)

Another year has passed and a new group of young children interested in learning about Ham Radio has emerged from the Parkview Elementary School in Cedarburg for, what they call, "Opportunity Days"!

This year we had the pleasure of demonstrating Amateur Radio to over 60 4th and 5th grade students in 5 different class sessions on Friday, the day before our May Swapfest.

Our volunteers, besides myself, included Tom Ruhlmann, W9IPR, Tom Murtaugh, W9VBQ, Jon Gilmore, KB9RHZ, Stan Kaplan, WB9RQR and Loren Jentz, N9ENR.



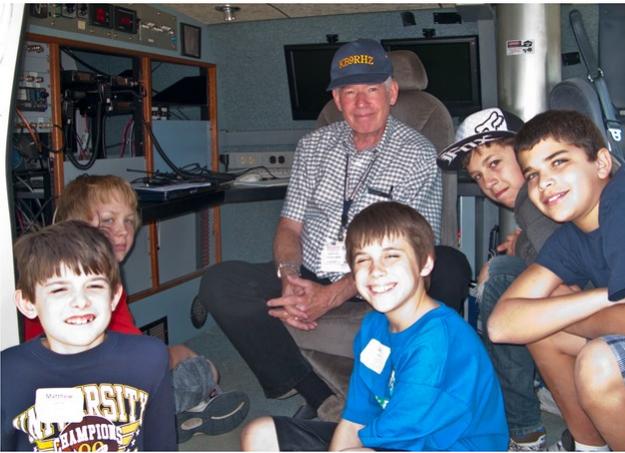
Every year we start each session with a basic explanation of what Ham Radio is all about by Tom, W9IPR, followed by introductions of the Radio Operators who have volunteered for the day. A short Walter Cronkite video is presented, followed by questions and answers.

Before the students divided into smaller groups, Tom had the children identify where his collection of QSL cards came from using a globe and a large ARRL World Map. They also got a look at Tom's Solar Panel array, just outside the classroom.

Inside, Tom, W9VBQ demonstrated Morse Code and had the students "send" their names using an Altoid Tin Oscillator or straight key. Tom was also responsible for documenting the activity by shooting candid pictures of each "station".



Another group got a demo by Loren, N9ENR on Amateur TV, where they saw themselves being broadcast from across the room by a miniature 2.4 GHz camera/transmitter, received by a small receiver connected to a 7" LCD monitor.



Outside, one group got a tour of the OZARES van by Jon, where they talked on the 146.97 Repeater to participating ORC members

New this year were successful contacts on HF, both local and "DX". I utilized my recently purchased ICOM IC-718 and old Cushcraft AV3 Vertical to have the students talk to Ham Operators all over North America and Canada.



Luckily, Jim Albrinck, K9QLP was available most of the morning to talk to the students on 20 meters from his home on the North side of Cedarburg! Later in the day the band improved enough to make contacts with Florida, Canada, Rhode Island, Massachusetts and Moose Island, Maine!

When the HF bands were silent, Loren and I demonstrated the GPS feature of our ICOM IC-92AD D-Star HT's to the students. We split a small group into 2 smaller groups and as Loren walked around the grounds, we tracked each other using the compass feature of our radios.

As always, the teachers at Parkview Elementary provided an incredible selection of food, drink and desserts for all the volunteers. It was tough going back to our classrooms following that noon lunch, but we managed.

All in all it was another successful "Opportunity Day" at the school and we look forward to next year. Maybe other schools will incorporate activities like this in the future and I'm sure the ORC will volunteer to help out...because, after all, we are a bunch of "Hams".

ORC May Swapfest

It was another great time at another great ORC Spring Swapfest. Ticket and table sales produced a net income to the club treasury of over \$1200 and the scholarship fund table produced over \$1000 in sales. That was in addition to the fun of looking through all the stuff for sale in search of another bargain.



Tom (W9IPR) and Ed (AA9W) spent an afternoon loading the trailer and trunks with "good stuff" to sell at the scholarship fund table.



Kent (N9WH), Nancy (KC9FZK) and Nels (WA9JOB) counted over 250 tickets while Dave (N9UNR) promoted membership.

The Wisconsin Amateur Radio Club was there again with 8 tables of good stuff including antenna.



Tower Electronics was again at the ORC Swapfest as our largest commercial vendor.



We had overflow tables due to advance sales and there was a plethora of items from which to choose.



Ed (AA9WW) and Ed (AA9W) took a break from sales at the scholarship table to “mug” for the camera. Their excellent sales skills netted a total of over \$1000 for the fund.



Tom (AA9XK), co-chairman of the event appeared very satisfied with another successful ORC fall Swapfest at the Circle B.

Membership Recruiting

by Dave Barrow, N9UNR

A few months ago I accepted the position of Membership Chair. I was kinda' busy at the time and didn't get serious until after the Ides of April. My analysis was that we had two problems: 1) we weren't chasing the non-renewals; and (2) there were probably a lot of hams who hadn't heard of the ORC – or didn't know what a great organization it is.

QRZ has a great data base. I found that I could get a list of all of the licensed hams in Ozaukee County – which I did. There are 283 of them. I then put that list in a data base which I created. My first step was to mark the 53 hams who were already members of ORC (approximately half of our members live in surrounding counties). I then went through the rest and tried to find phone numbers for them using an on-line service. I found that I got the best results by entering the last name and the ZIP code. I found that 67 were not listed. Was that because they had moved without notifying the FCC or abandoned the AT&T landline for cellular service – no telling.

Once I got the numbers I started calling. Being very “fiscally conservative” and having “free” calling on my cellular service (after 7 PM) I concentrated my calls after 7 and before 9 PM. I found that 50 or so had been disconnected (moved or gone to cellular). Unfortunately I found that 5 had become Silent Keys. I got a few that had lost interest in amateur radio. The rest I tried diligently to get an email address and promised an email within minutes of the call – which I delivered.

Among the more interesting I found a 95 year old who had worked with Gen. Leslie Groves on the Manhattan Project during WWII. Another ham designed the software for American Airlines reservations and the NY Port Authority ticketing and the Sears inventory control – among other projects.

I tried to concentrate on the non-renewals but I frequently got diverted. I sent each of the non-renewals a plea to “re-up”, followed up a few with another phone call, and this week sent another plea to those I had identified. Another area I tried to concentrate on was the KC9s – as the more recently licensed.

Have I had some disagreeable calls? I'm sorry to say there have been a couple. In general most have been polite and very friendly. Have I had fun – not really – but I have met a lot of very interesting people and, I hope, have contributed to the club's welfare. I think there are ten new hams who have joined as a result of my efforts and I have a list of almost 50 “prospects” that I am continuing to “work”.

Upcoming Events

Cub Scouts at our May 12th meeting at 7:00

About 9 six-year old Cub Scouts, under the supervision of Cub Master Tim Willman will be at our meeting at 7:00 to learn about radio waves and communication. We plan to have an HT, and an HF radio for them to look at. This will be at 7:00 before the meeting. If you would like tell a story or two about your own early interests in radio, let Tom Nawrot know at tnawrot@wi.rr.com. If the weather permits, we'll meet with Tim and his Cubs outside on the deck on the west side of the room.

Chuck Craven - WB9PUB

Chuck Craven, who some of you may know from the WARAC will do a program for us at the May 12th meeting on the subject of *Multiple Uses for the Antenna Analyzer*. Let's give Chuck a big welcome and thank you on the 12th.

May 8th - ORC/LeFrog Radio Merit Badge Seminar

May 14th thru 16th - Dayton Hamvention

May 29th & 30th - CQWW WPX CW Contest

June 6th - Princeton, IL Hamfest
June 12th thru Monday, June 14th -
ARRL VHF QSO Party

June 19th - "Tour de Cure" Bike Ride (ORC/LeFrog Radio Support)

June 20th - Wheaton, IL Hamfest
June 21 - 27th - Amateur Radio Week

June 26th - ARRL Field Day

July 10th - Oak Creek Hamfest

July 10th - 11th - IARU HF World

Championship

July 11th - Aurora, IL Hamfest

July 17 - 18th - CQWW VHF Contest

NA QSO RTTY Party

August 7-8th - ARRL UHF Contest

North American CW QSO Party

August 8th - Peotone, IL Hamfest

August 14th - Racine, WI Free Hamfest

August 21st - ORC Corn Roast/Light-

house Event (Port Wash Upper Lake

Park)

Awards

De Mike Yuhas (AB9ON)

At the Post Everything Party and April ORC meeting our past president and Awards Chairman presented the 2010 awards to several of our deserving members. Congratulations to:

- Chuck Curran, W9POU, recipient of Meeting Program of the Year award, in recognition of the excellent overview of tesla coils as the club's meeting program of December 2009.

- Ed Rate, AA9W, recipient of the Club Service Award, in recognition of efforts as Club Trustee to ensure the club's continued health through asset acquisition and sales, and oversight of the club's scholarship fund.

- Stan Kaplan, WB9RQR, recipient of the Ham of the Year award, for contributing to the Ozaukee Radio Club in many ways. Stan is gratefully recognized by the membership as being a key player in the success of the group.

- Tom Murtaugh, W9VBQ, recipient of International Goodwill Award, in recognition of the operator's continual effort to promote international goodwill through DXing and making contacts across the globe.

- Gary Sutcliffe, W9XT, recipient of the Radio Art Advancement Award, in recognition of having devoted considerable time and effort with state-of-the-art technologies and technology development.

- Ken Boston, W9GA, recipient of the Operator of the Year Award, for maintaining a favorable image within the club with regard to radio operation, and for encouraging other members to expand their horizons in their on-air activities.

- Bob Truscott, W9LO, recipient of the Contester of the Year Award, in recognition of having brought growth and

recognition to the club through success in ARRL-sanctioned contests and encouragement of other members in contesting.

- Mark Tellier, AB9CD, recipient of the Turkey of the Year award, for being a "generally good guy" who, with a continual smile and helping hand, has promoted cooperation, friendship, and goodwill within the group.

One award was not presented, because the honoree was not in attendance at the Post Everything Party or the April meeting. Who was this person, you ask? I can't tell you now, but you can find out when we attempt to present the remaining award at the May ORC membership meeting, Wednesday May 12.

Board Minutes- April 12th, 2010

De Patrick Sullivan (KC9LRK)

William Howe, KA9WRL called the meeting to order at 7:10 PM.

Nels Harvey, WA9JOB motioned the Bill Howe KA9WRL write a letter of approval for Donald E Michalski, W9IXG ARRL Distinguished service award and Mark Tellier, AB9CD seconded. A 100% vote to accept then followed.

Mike Yuhas, AB9ON will organize the treasurer's audit.

Leon Rediske, K9GCF will chair the 2010 field day committee.

Mike Yuhas, AB9ON motioned that a donation of an item of approximately \$100 and not to exceed \$200 be donated to the Grafton Multi-Purpose Senior Citizens Center, ED Rate, AA9W seconded the motion. A 100% vote to accept then followed.

Mark Tellier, AB9CD motioned that \$200 be donated to the ARRL spectrum defense fund Mike Yuhas, AB9ON seconded. A 100% vote to accept then followed. This donation was initiated as a motioned by Tom Ruhlmann, W9IPR at the Dec. 10th, 2008 general meeting.

Mike Yuhas, AB9ON motioned that that the bylaws "Policy and Procedure Number 2" be changed from an amount to be determined by the board, referring to donation to honor the deceased, to \$25 and the charity to be the ARRL unless another charity is known. With the wording of this change to be presented approved at a general meeting Mark Tellier, AB9CD seconded this motion. A 100% vote to accept then followed.

ADJOURNMENT:

Mike Yuhas, AB9ON motioned for adjournment, it was seconded by Mark Tellier AB9CD and a 100% vote in favor followed.

MEMBERS IN ATTENDANCE:

Ed Rate AA9W, Mark Tellier AB9CD, Mike Yuhas AB9ON, Bill Howe KA9WRL, Patrick Sullivan KC9LRK, Nels Harvey WA9JOB

ORC Membership Mtg. Minutes of April 14, 2010

Bill Howe, KA9WRL called the meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Mark Fielkow KB9PXE presented a home brew remote control for an antenna tuner.

The club is selling two radios an ICOM IC-2AT hand held (5 watt) HT with tone board for \$65 and a ICOM IC-781 (100 watt) Transceiver. If interested please contact Ed Rate AA9W.

On behalf of AES, W9KHH Ray Totzke thanked club members for their participation in the **16th Annual AES Superfest**.

Mike Yuhas, AB9ON reported the awards were presented at the post everything party. Ed Rate, AA9W received the Club Service award. Ken Boston, W9GA received the Operator of the Year award. Bob Truscott, W9LO received the Contester of the Year award. Tom Murtaugh, W9VBQ received the International Good Will award. Gary Sutcliffe, W9XT received the Radio Advancement award. Mark Tellier, AB9CD received the Turkey of the Year award. Attend the next ORC meeting to find out who will receive the remaining award.

Bill Howe announced that a donation of around \$100 and not to exceed \$200 will be made the Grafton Multi-Purpose Senior Citizens Center. This donation was initiated as a motion by Tom Ruhlmann, W9IPR at the Dec. 10th, 2008 general meeting. At the April 12, 2010 board meeting Mike Yuhas, AB9ON motioned that that a donation of an item of approximately \$100 and not to exceed \$200 be donated to the Grafton Multi-Purpose Senior Citizens Center. ED Rate, AA9W seconded the motion. The board voted and the motion was carried.

PROGRAM:

Radio Contesting, Moving to the Next Level, Ideas for Improving Your Field Day and Contest Scores, presented by Gary Sutcliffe.

This presentation covered radio contesting topics including: Antennas, Antenna take off angle, optimizing shack efficiency, optimizing shack comfort (to reduce fatigue), how to plan for the next contest and *The 3 Most Important Things While Operating*. The power point for this presentation can be found at Gary's web page, http://www.w9xt.com/page_talks_hr_talk.html

50/50 RAFFLE RESULTS:

Darren Miller, KC9ROA won the 50/50 raffle this evening.

AUCTION

Stan Kaplan, WB9RQR and Ed Rate, AA9W ran the auction. Some of the items acquired by bidders included a WB9RQR 11.7v 14 amp power supply, Parts bin, NiCad Battery charger, Light bulbs, Ethernet hub, Cordless drill, *QRP Classics*, 1994 ARRL Handbook, DC converter, *Popular Electronics* Magazines, An unknown piece of Equipment, A metal box with egg insulators, Tool Box with stapler, Copper Plates, Radio preamp, aluminum, channel display, Pack radio plus mason jar caps, 1961 call book, Amp meter and tubes.

MINUTES:

Minutes for the Mar 3, 2010 meeting were accepted. David Barrow, N9UNR motioned to accept as written, and Mike Yuhas, AB9ON seconded the motion. 100% vote to accept then followed.

TREASURER'S REPORT:

Mike Yuhas, AB9ON, motioned to accept the treasurer's report subject to audit. The treasurer's report was presented by Nels Harvey, WA9JOB. David Barrow, N9UNR seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT: None

COMMITTEE REPORTS:

Mike Yuhas, AB9ON (as directed by the ORC Board of Directors) motioned to change the bylaws policies and procedures number 2 as follows (with changes in red).

Policy and Procedure Number 2

Actions To Be Taken When A Club Member Becomes Deceased

DATE APPROVED: 3 April 2000

Background:

Members of the Ozaukee Radio Club often form lasting friendships while serving community communication needs. This comradeship many times also includes family members. When a club member dies, the club is diminished. The loss is felt by the club as well as the member's immediate family. In time, the surviving spouse or other family members want to dispose of the electronic equipment of the deceased member but are at a loss as to how to proceed. The family also usually does not know how to value the equipment and may be taken advantage of.

The purpose of this document is to show the actions to be taken by the Club Directors and members at this sad time.

Actions To Be Taken:

1. Any member, upon learning of a current or recent member's death, shall alert the Club President or other member of the board.

2. The Club President shall alert the membership and direct the Club Secretary to send a condolence card to the surviving spouse. In the event there is no surviving spouse, the card shall be directed to other surviving family members.

3. The Club shall promptly honor the deceased member by making a donation, in memory of the deceased member, in the amount of \$25.00, to the ARRL or other charity as suggested by the family.

4. A Club representative (selected by the Directors) shall contact the deceased member's family to offer the Club's help in evaluating the electronic equipment in the member's estate.

5. If requested by the deceased member's family, a list of any electronic equipment and its current value shall be prepared and given to the family.

6. If requested by the deceased member's family, the list shall be distributed to the Club members as items available for purchase.

7. Any sale of equipment from this list is not the responsibility of the Club. All sales are to be negotiated between the buyer and the deceased member's family.

8. The deceased member's family is to be alerted that the Club is a 501c3 organization and that donations to the Club will be accepted and may accrue to the advantage of the spouse at tax time.

Revision: 1, approved by membership April 14, 2010.

David Barrow, N9UNR motioned to accept the changes to the bylaws policies and procedures number 2 as written, and Kent Christiansen, N9WH seconded the motion. 100% vote to accept then followed.

The Corn Roast and Light House events will be held on August 21, 2010 in Upper Lake Park in Port Washington.

Tour De Cure will be on June 19, 2010 and ham radio operators will be needed for communication support. To sign up, please contact J.J. Heber. (414) 778-5500 ext. 6514 jheber@diatetes.org

River Fest communications is needed at Saukville's Annual River Fest cleanup. Which will be on Saturday, May 15, 2010. Anyone wishing to help out can contact Cindy Douglas at 262-483-4570.

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT:

David Barrow, N9UNR motioned for adjournment, it was seconded by Kent Christiansen, N9WH and a 100% vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

AA9W Ed Rate, AA9WW Ed Frac, AA9XK Tom Nawrot, AB0VF Richard Holt, AB9CD Mark Tellier, AB9ON Mike Yuhas, KA9DFZ Joe Sturmberg, KA9RFM Terry Koller, KA9WRL Bill Howe, KB0SIO Catherine Holt, KB9PXE Mark Fielkow, KB9RHZ Jon Gilmore, KB9W-BQ Julia Nawrot, KC9LRK Patrick Sullivan, N9DRY Todd Fast, N9UNR David Barrow, N9WH Kent Christiansen, W9BUJ Ray Brunette, W9GA Ken Boston, W9KHH Ray Totzke, W9LO Bob Truscott, W9VBQ Tom Murtaugh, W9XT Gary Sutcliffe, WA9JOB Nels Harvey, WA9KNY John Thielen, WB9RQR Stan Kaplan, WQ9N Robert Krubsack, KC9RNV Cliff Kollross, KC9ROA Darren Miller,

AGENDA

May 12th, 2010

1. Call to order – Bill Howe (KA9WRL)
2. Introductions.
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
4. Program:
5. Fellowship Break
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9. Repeater report –Committee reports.
May Swapfest -
BSA Merit Badge Session -
Dayton –
Tour DeCure
Field Day
10. OLD BUSINESS
11. NEW BUSINESS
12. Adjournment to ?

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The ORC Newsletter

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Cedarburg WI* 53012

First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton

Wednesday, May 12th

7:30 PM

ORC Web Page:

<http://www.execpc.com/~wa9pov/orc.html>



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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Callsign W9CQO Web site: www.ozaukeeradioclub.org

Volume XXIV

June, 2010

Number 6

From the President

De Bill Howe II (KA9WRL)

I'm sure everyone in the ORC knows what Field Day is. But, if you're new to the club, or Amateur Radio, let me enlighten you, just a bit.

Probably the most popular of all Ham Radio events, Field Day continues to be as popular now as it was back when it all started, in 1933!

Field Day is an annual event and is typically the largest single emergency preparedness exercise in the country, with over 30,000 operators participating each year.

Since the first ARRL Field Day, radio amateurs throughout North America have practiced the rapid deployment of radio communications equipment in environments ranging from operations under tents in remote areas to operations inside Emergency Operations Centers (EOC's) or from the comfort of our homes.

Operations using emergency and alternative power sources are highly encouraged, since electricity and other public infrastructures are often among the first to fail during a natural disaster or severe weather.

To determine the effectiveness of the exercise and of each participant's operations, there is an integrated contesting component, and many clubs also engage in concurrent leisure activities (camping out, cookouts, etc.).

Operations typically last a continuous twenty-four hours, requiring scheduled relief operators to keep stations on the air. Additional contest points are awarded for experimenting with unusual modes, making contacts via satellite, and involving youth in the activity.

If you are hesitant to jump right into operating at our ORC site (at Lazy Days Campground) this year, consider one of the many other jobs necessary to have a successful Field Day. Tasks like helping set up the grounds and assisting with erecting towers, wire antennas and tents would be a good start. Food preparation, generator maintenance, staffing the information tent and just giving tours to the visiting public and/or community officials are all vitally important.

If you can't be there for set-up, consider tear-down. Maybe you have a piece of equipment that might be needed for the weekend, be it a power winch, radio, tuner or solar array for those valuable bonus points!

In any case, talk to other members of the club and see where you might fit it. It's a lot of fun and once you've experienced Field Day for yourself, you will definitely be hooked for good. I know I was.

Contesting

De Bob Truscott (W9LO)

The Field Day Committee met several weeks ago at K9GCF's house. It was a good meeting. Many stories totally unrelated to FD were told and appropriately applauded, after which we got into the business at hand, namely Field Day planning. We discussed a whole bunch of subjects, some important and some not, and resolved most of issues. A few of these issues were not resolved, and never will be, but we will talk about them again next year, just as we did last year. So in summary it appears that our chairman has everything under control and we are ready for another weekend of fun at Lazy Days Campground beginning with setup on June 25, and continuing through June 27.

And now that we've gotten the routine stuff out of the way, let's get down to the really important matter at hand. And that is which of our 5 HF stations will make the most contacts during the contest, and how many of these stations are confident enough to accept a challenge from the 40 meter CW guys. We offer a wager of a 12-pack of beer to any stations which accept our challenge.



Field Day planning officially got under way with the first meeting of the committee at Chairman Leon's (K9GCF) home.

Last year the 20 SSB guys had more contacts than we did, but were not willing to commit to the challenge before the start of the contest. I repeatedly asked them for a yes or no answer during the several hours prior to the contest, but all I got in return was a "we'll let you know". Apparently their confidence level was too low because they never committed, and therefore did not win the beer. Too bad—a missed opportunity.

And finally, it occurred to me during the committee meeting that just about everyone present either had white hair or was bald. That was disappointing. We need to get some fresh "young blood" into these kinds of meetings. How about it, you young people—try it. You'll like it.

See you all at Field Day, Bob, W9LO

Dayton – We did it again

De Tom Ruhlmann (W9IPR)

Again, we had several vehicles and members going to Dayton OH for the annual Dayton Hamfest and again, we had a great time. Those making the pilgrimage included Ed Rate, Ed Frac, Ray Brunette, Tom Ruhlmann, Nels Harvey, Ted Schweitzer, Kent Christiansen, Gabe Chido, Bill Howe, Mark Tellier and Leon Rediske.



We attempted to properly secure the scholarship fund inventory in Tom's (W9IPR) trailer but ran out of rope.

Half the fun is just looking around the flea market and reminiscing about old times and equipment used or desired in the past. Along that line I did acquire an HT-32A transmitter to match my restored SX101 receiver. Now to see if the power supply section is OK before I proceed with its restoration.



Ted and Kent were minding the “store” while others were off finding the “good deals”. Actually much of the really good stuff was gone within 30 minutes of the gates opening.

We had great weather and a very successful sale of scholarship fund donated equipment resulting in over \$1000 income after expenses.



There was the usual assortment of WWII radio equipment with appropriately attired sales persons in the flea market again this year.



Fortunately the boys from West Virginia returned to sing and pick while the bargain hunters perused their collection of “good stuff”.



Leon listened intently as he decided if he really needed a new FT5000 from Yaesu.



President Bill played banjo as Gordon West demonstrated conductivity by illuminating three pickles in parallel with 120 VAC.



There were a variety of vendors inside with everything from telegraph keys to antenna and it was great fun if only to people watch.



There was a good crowd inside even though it wasn't raining. All the big guns were there with new rigs and accessories.

Another Cleanup Success

Cindy (KA9PZG)

The May 15th annual river and community cleanup in Saukville was another success! About 65 area residents came out that to clean up their community.

The ORC had the following members/radio operators involved to offer communications for the volunteer cleanup groups:

Nancy, KC9FZL; Mike AB9ON; Cindy, KA9PZG; Stan, WB9RQR; and new members Mike, KC9TAZ and Aaron, N9UBF.

All participants were provided with lunch after the event including a "thank-you" gift.

Thanks to all those who took time that morning to keep a great community event safe for everyone!

Kerchunk, Kerchunk

De Nels Harvey (WA9JOB)

There! It did it again! Double you nine cee que you! Squelch tail. Now abeeep. Squelch tail, then.... silence! That seems to be all our 146.97 repeater does lately.

I monitor the repeater pretty regularly, and do try to talk to people who make calls on the system. The kerchunking of the repeater is a mystery to me though. Are these radios limited to a microsecond of transmit time? Are the people so lonely that there is a reassurance of some sort hearing the recorded voice of some long dead guy come out of their radio's speakers?

I guess I don't get it! Apparently there are enough people out there that wonder if the repeater is still working. Well, it is! How about using the microphone feature on your radio and put out your call sign? I'll bet if each of the kerchunkers did that instead, there would be some more interesting contacts on the repeater.

We all should try it on a regular basis. We are all people who are supposed to like to talk to others.

At this point, the repeater has been operating with few problems for quite awhile now. We all are heard and have little problem accessing the system with a well received signal. Even AA9W was able to call in from

his Door County vacation spot! Why not put down that cell phone and get back on the system? We all miss you. 73, Nels....

What's it?

De Tom Nawrot (AA9XX)

What is this PCB from? or Mystery Printed Circuit Board. I discovered the printed circuit board you see below during the installation of something in the house. So there you have one hint



Another hint is that the circuitry seems to be a lot more complex than you would expect considering its function, and the last hint. Its function has to do with water. Send your guesses to Tom Ruhlmann for the next newsletter.

Upcoming Events

JUNE

June 6th - Princeton, IL Hamfest

June 12th - 14th - ARRL VHF QSO Party

June 19th - "Tour de Cure" Bike Ride
(ORC/LeFrog Radio Support)

June 20th - Wheaton, IL Hamfest

June 21 - 27th - Amateur Radio Week

June 26th - ARRL Field Day

JULY

July 10th - Oak Creek Hamfest

July 10th - IARU HF World Championship

July 11th - Aurora, IL Hamfest

July 17- CQWW VHF Contest and
NA QSO RTTY Party

AUGUST

August 7-8th - ARRL UHF Contest

and North American CW QSO Party

August 8th - Peotone, IL Hamfest

August 14th - Racine, WI Free Hamfest

August 21st - ORC Corn Roast/Lighthouse
Event (Port Wash Upper Lake Park)

August 21st North American Ph.QSO Party

August 28th - Baraboo, WI Hamfest

SEPTEMBER

September 2nd - ARRL Sim. Emergency Test

September 11th - ORC Fall "Ham & Hobby"
Swapfest

September 11th ARRL VHF QSO Party

September 18th - Peoria, IL Hamfest

September 25th - Belvidere, IL Hamfest and
CQWW RTTY Contest

The Roster

De Dave Barrows (N9UNR)

The Roster is being printed and will be available this month. Please add the following new members:

WB9TQC Patrick Barber (Sheila)
(262) 375-8478

WB9TQD Sheila Barber (Patrick)
(262) 375-8478

Their address etc. will be sent later via e-mail.

Club Static

Looking for your inputs here. If the newsletter seems a bit shorter this month it is due to a lack of inputs - it is your turn.

Minutes– May 12th, 2010

De Patrick Sullivan (KC9LRK)

First Vice-President Chuck Curran W9POU, called the meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Nels Harvey WA9JOB reported that \$200 has been donated to the ARRL Spectrum Defense Fund as directed by the Board of Directors. Memorial donations were made to the ARRL in memory of Mike Mat-thies, WJ9O, Mike Greenfield, N9JIY, and Peter Ullrich, WA9CPN... The card of thanks for the me-morial donation from Janet Greenfield was read.

Chuck Curran W9POU is building an antenna rotator from a Curtis Wright Prop Pitch motor.

PROGRAM:

Antenna Analyst, by Chuck Craven, WB9PUB

This program covered the many uses of an antenna analyzer, which include: basic SWR/Z meter, trouble shooting interference, forward reflection, reverse transmission, forward transmission, reverse reflection, frequency counter, impedance checker (even for speakers) and for testing Baluns, Ununs, filters, du-plexers and amplifiers. Sources for more information: ARRL web page and search for technical information on antenna analyzers tips and tricks, Google SWR analyzer, antenna analyzer, vector network analyzers, using a network analyzer.

50/50 RAFFLE RESULTS:

Mark Tellier, AB9CD won the 50/50 raffle this eve-ning.

AUCTION

Stan Kaplan, WB9RQR and Ed Rate, AA9W ran the auction. Some of the items acquired by bidders in-cluded a WB9RQR 11.7v 14 amp power supply, Parts bin, NiCad Battery charger, Light bulbs, Ethernet hub, Cordless drill, *QRP Classics*, 1994 ARRL Handbook, DC converter, *Popular Electronics* Magazines, An unknown piece of Equipment, A metal box with egg insulators, Tool Box with stapler, Copper Plates, Ra-dio preamp, aluminum, channel display, Pack radio plus mason jar caps, 1961 call book, Ammeter and tubes.

MINUTES:

Minutes for the Apr 14, 2010 meeting were accepted. Mike Yuhas, AB9ON motioned to accept as written,

David Barrow, N9UNR seconded the motion. 100% vote to accept then followed.

TREASURER'S REPORT:

The treasurer's report was presented by Nels Harvey, WA9JOB. David Barrow, N9UNR motioned to accept the treasurer's report subject to audit. Mike Yuhas, AB9ON seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT: Jim Albrinck, K9QLP, re-ported that 220 repeater had failed twice in the previ-ous week, but was currently operational.

COMMITTEE REPORTS:

BSA Merit Badge Session, Mike Yuhas, AB9ON - The merit badge session had 62 boy scouts attend and 55 participated. The merit badge session was held at Pioneer village from 7 a.m. to 5 p.m. The merit badge session was made possible by the efforts of Tom Trethewey, KC9ONY, Mark Tellier, AB9CD, Mike Yuhas, AB9ON, Bill Howe, KA9WRL, Loren Jentz, N9ENR, Chuck Craven, WB9PUB and Tom Murtaugh, W9VBQ.

Awards Committee, Mike Yuhas, AB9ON – Mike pre-sented “The ORC club project of the year award” to Tom Ruhlmann W9IPR, for his excellent work on the club's May swapfest.

Membership Committee, David Barrow N9UNR - Since the last meeting the ORC has grown with the addition of 10 new members.

Tour De Cure will be on June 19, 2010 and ham radio operators will be needed for communication support. To sign up, please contact J.J. Heber. (414) 778-5500 ext. 6514 jheber@diatetes.org

Field day, Leon Rediske K9GCF - Field day is on June 26-27 (last full week end of June) at Lazy Days Campground 1475 Lakeview Road, West Bend, WI 53090 (262) 675-6511. The June program will be de-voted to field day and presented by Leon Rediske K9GCF.

Corn Roast and Light House events will be held on August 21, 2010 in Upper Lake Park in Port Washing-ton.

September Swapfest, Tom Ruhlmann W9IPR This Swapfest will be on Sep 11, 2010 at Fireman's Park in Cedarburg, WI.

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT:

Kent Christiansen, N9WH motioned for adjournment, it was seconded by Nels Harvey WA9JOB and a 100% vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Attending tonight's meeting were 3 guests and 34 members meeting.

Joe Holly AA9HR, Ed Rate AA9W, Ed Frac AA9WW, Tom Nawrot AA9XK, Richard Holt AB0VF, Mark Teller AB9CD, Mike Yuhas AB9ON, Jim Albrinck K9QLP, Joe Sturmberg KA9DFZ, Terry Koller KA9RFM, Kate Holt KB0SIO, Mark Fielkow KB9PXE, Ted Schweitzer KB9RLI, Julia Nawrot KB9WBQ, Michael Richter KB9WNS, Ron Underwood KC9DKQ, Patrick Sullivan KC9LRK, Art Davidson KC9PXR, Todd Fast N9DRY, Don Hoffmann N9KRC, Robert Frank N9NRK, David Barrow N9UNR, Kent Christiansen N9WH, Ron Yokes W9BCK, Ken Boston W9GA, Tom Ruhlmann W9IPR, Ray Totzke W9KHH, Nels Harvey WA9JOB, John Thielen WA9KNY, Gabe Chido WI9GC, Gary Sharbuno WI9M, Cliff Kollross KC9RNV , Chuck Curran W9POU, Leon Rediske K9GCF and guests Janice Hoettels KA9VVQ, Chuck Craven, WB9PUB, and John Strachota W9FAD.

AGENDA

June 9, 2010

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 – Mark Tellier (AB9CD)

10. Committee reports.
May 1 Spring- Swapfest -
Sept. 11th Fall Swapfest –
Dayton & Scholarship Fund
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, June 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 XXVIV

July, 2010

Number 6

From the President

De Bill Howe II (KA9WRL)

After 23 years of being involved with Ham Radio (I know, a drop in the bucket for some of the older club members), I have finally achieved a few of my goals.

I now have an HF station, complete with transceiver, microphone, code key, tuner, power supply, ground rod & cable, wire antenna, 24 hour clock, coax and station log in one relatively small suitcase!

I also have an all-mode VHF/UHF station with all the above (a 1/4 wave mag-mount antenna instead of a wire antenna) in another small suitcase.

No more searching for tuners, antennas, jumpers, adapters and who knows what else, just to put together a station of some sort for in the field at the last minute. In an emergency, or even for a regular Ham Radio event, I am ready to go!

Granted, it took me years to gather enough equipment, on my limited budget, to put together two separate stations that would sit idle for most of the year. But, when you need it, you need it.

No more tearing apart my home station, which is a Kenwood 570S with an MFJ-969 roller-inductor tuner connected to a Cushcraft A3 tri-bander up about 45 feet. The microphone is a Heil "gold line" with dual elements. A modest station, at best, but it works for me, if I just leave it alone (if you know what I mean).

I should mention that I am also "HT friendly". With my new ICOM IC-92AD D-Star radio and a little Yaesu VX-3, I am fully prepared to communicate as a "pedestrian mobile". Also, my mobile antenna for my car has been repaired, so I'm also "auto mobile", if you will. Perhaps, one of these days, I'll learn how to program my D-Star HT so I can actually use it!

Now that I've achieved some of my goals in this hobby, it's time I up-graded to Extra! That, of course, was one of my original goals after blowing the Advanced test after passing my Novice, Tech & General in one sitting back in 1987. At least I don't have to worry about the Advanced question pool anymore. (Hi)

Computer Corner

De Stan Kaplan (WB9RQR)

Another landmark has arrived. This makes the 150th article I have written since the first one in July 1993. That is roughly 17 years! Most of my articles during that time covered topics that could be gleaned by some practical experience with computers, plus reading books, magazines and articles on the individual topics covered in each topic. My own practical experience has come from three major activities: 1. Working with computers during my professional life (as a biomedical scientist, not as a computer technician). 2. Building my own computers, both at work and at home. 3. Rebuilding computers for ARES/RACES use throughout the State of Wisconsin (I rebuilt and distributed 105 machines to our 72 counties during 2008 and 62 in 2009). And I do a fair amount of reading about computers. Anyway, to celebrate the 150th, here is an article that you cannot really get by reading books (at least insofar as I

am aware). Practical experience is the only source. But it is not a hardware topic.

If you are like many (including me), it does not take long for your Windows desktop to become cluttered with icons. Icons usually represent shortcuts to programs – for burning, editing pictures, playing games or a myriad of other activities you do on your computer. Let's face it. Clicking an icon on the desktop is a lot faster than clicking Start, Programs, and selecting what you want from a long list, so it is indeed handy to have the icons at hand on the desktop. On the other hand, desktop icon clutter is the result after awhile. Here is my approach to the problem, which is essentially to make *shortcuts to the shortcuts*.

Aside from the usual icons on my desktop (IE, Firefox, Thunderbird, etc), there are five special ones. 1. Cleaning and Security. 2. Info and Tweak. 3. Burn, PDF and Zip. 4. Graphics and Media. 5. Games. Together, they represent 41 different programs, and 41 different icons! Here is what is in two:

	Cleaning & Security	Info and Tweak
1	CCleaner	CPUID - CPU-Z
2	Defraggler defragmenter	Disk Checkup
3	Glary Utilities	Driver Magician Lite
4	Hosts Manager	NetResView
5	Microsoft Security Essentials	NISTime
6		SIW
7		Startup Delayer

So, for example, if I click just one icon, Cleaning and Security, a window appears with five icons, one for each of the programs listed above. Clicking Info and Tweak reveals the seven listed above. Handy! A total of 41 icons reduced to five, but all 41 are quickly accessed without searching for them in a long list.

Now, how does one do that? My description that follows is for Windows XP, but it will be the same for Windows 2000 or Vista or Windows 7. I personally have used the method for 2000, XP

and Windows 7, all of which I have on one or the other of my machines.

Open **C:\Programs Files** (or **D:** if you keep your programs as I do, on my D: drive). Right click and select **New, Folder**. A new folder icon will appear, and its name should be highlighted. Type in: Cleaning & Security. If its name was not highlighted, right click the name **New Folder** and select **Rename**. Then type in Cleaning & Security and press the **Enter** key.

So far, we have created a properly labeled new empty folder, ready to hold our icons, but we need access to it on the desktop. Go up one level (to **C:\Programs**, or **D:**) so that you can see the folder but not what might be in it (which is nothing, at this point). If you can't seem to go up one level, just close everything and go find the folder again. Right click it, and select **Create Shortcut**. A new folder icon will appear labeled **Shortcut to Cleaning & Security**. Now resize everything so you can see part of your desktop if it was not visible before. Left click the Shortcut to Security & Cleaning icon and hold the button down. At the same time, press and hold the left **Shift** key, and drag the icon to the desktop. Let everything go. That should move the shortcut icon to the desktop and erase it from the **C:\Programs** (or **D:**) directory. If you succeeded in getting it to the desktop but a copy of the shortcut icon still resides in the **C:\Programs** (or **D:**) directory, simply erase that shortcut.

OK, the Shortcut to Cleaning & Security folder is on the desktop, but empty. Click it to open it. Now, select and drag (while holding down the left **Shift** key) an icon of your choice such as Microsoft Security Essentials from the desktop into the open Shortcut to Cleaning and Security folder. It should be in that folder now, but gone from the desktop. If it is not gone from the desktop, just erase the desktop copy once it is in the new folder. Remember, erasing a shortcut does not remove the program from your computer. Do that with all the icons that fit into that category. Close the folder and open it again. All the icons you moved into it should be there. Close the folder.

Now for cleanup and pretty up. On the desktop, right click the closed folder and select **Rename**. Delete the Shortcut part of the name and press the **Enter** key. You know it is a shortcut because it has a little curved arrow in the icon and you don't need the extra words. Next, let's get rid of the boring folder icon. Right click the icon and select **Properties**. Click the **Shortcut** tab and on it, click **Change Icon**. A window will come up with about 100 different icons. Find one you like for that category and highlight it by clicking. Click OK and Apply. After closing everything, your boring old folder icon should change to the one you selected.

After you have done one like this, the others should be easy. And, you certainly do not need to use the organization that I have suggested. You might want a WP folder for word processing and associated programs, or HAM for ham programs, or whatever. However you want to do it, do it. It will make your desktop less cluttered, and your work easier.

By the way, anything you put into that desktop shortcut will also appear back in the **C:\Programs** (or **D:**) folder. If you should ever inadvertently loose the desktop icon, just follow the instructions above to put a copy back. Use care, though, to put a shortcut back on the desktop. Leave the original where it is.

Tour de Cure

De Stan Kaplan (WB9RQR) and Mike Yuhas (AB9ON)

On Saturday, June 19, OZARES, ORC, and a few other hams provided communications for Tour de Cure. This 25/50/100 km bike-a-thon supports the activities of the American Diabetes Association in its quest toward care and cure for diabetes. ORC members participating included: Nancy Stecker (KC9FZK), John Ansay (KC9GJD), Ed Seigworth (AA9GT), Tom Ruhlmann (W9IPR), Mike Yuhas (AB9ON), Cindy Douglas (KA9PZG), Mike Eibs (KC9QNN), Jon Gilmore (KB9RHZ), Stan Kaplan (WB9RQR), Don Zank (AA9WP), Mark Tellier (AB9CD), Nels Harvey (WA9JOB) and Dave Barrow (N9UNR).

Other area hams involved were Chris Richards (KC9LBC), Al Lederman (N9RXD), Sheila Douglas (KB9NYP), Ken Douglas (KB9NYQ), Ray Meyer (N9PBY), Pearl Capello (WB9BZC), and Mike Wesolowski (KA9TGN).



On your mark! The second group out was the 50K (30 mile) group ride. Tom (W9IPR) followed this group and for the most part they were quick and everyone enjoyed a great ride.

Mike Yuhas brought the OZARES Mobile Communications truck and new generator to Grafton High School where it was used for the NCO position. The event went well and all messages got through.



Pearl Capello (WB9BZC) was net control during the early hours handling traffic from the rest areas and sweepers concerning riders who required repairs in route or otherwise needed assistance – like a ride home.



It was a fun day at the rest areas just visiting with the riders and watching the bike shop sponsors repair tires and chains. The fruit and refreshments provided made many want to stay just a bit longer.

Field Day 2010

De Leon Rediske (K9GCF)

We managed to survive another Field Day! Things went along quite well, we had a bunch of help from many folks, particularly some that are not ORC club members! We really appreciated that!

Our usual rains came, and we dealt with that....by operating as nearby to mom nature as we possibly could. I looked at national radar, and there was a front that extended from the UP of Michigan to Texas.....that didn't move away! So we had the potential for rain and thunderstorms Friday, Saturday & Sunday.

Lucky for us, when we were to install and dismantle our "community", the weather was fine.

Just some bullets.....

1. W9LO/W9XT had problems with a tent, and ORC purchased a new one. They also had antenna problems, hopefully worked out B4 next FD.

2. We need to look at the Field Day computer program.....and probably select another one. Nobody had any stability problems, but this program gives reports on each band.....and we need reports on each station as we progress thru FD.

3. Organization seemed adequate, and most things we needed were in place.

4. We surely missed some individuals that could not be with us this year.



Stan (WB9RQR) did a great job on the turkeys again this year and we can give special thanks to Nancy Stecker (KC9FZK) and Jane Rediske (KB9SYI) for assuring we all had several great meals.



It all starts with power and thanks to the generator supplied by OZARES and power distribution network created by Terry Koller (KA9RFM), we had plenty.

5. We again thank everyone that helped make this years Field Day a success, U know who U are,especially appreciated were the Food Committee.

5a. The food tent was left a mess Saturday nite/ into Sunday morning. Folks U have to put your finished plates in the trash!

6. If anyone would like to comment how we can make next years FD run more smoothly, please call me @ 262-377-1080 so we can change for the betterment of everyone for next Field Day.



Nobody had to be called twice for supper as we again enjoyed a great Friday evening meal managed by Stan, Nancy and Jane. They even hosted an early Sunday morning breakfast of pancakes, sausages and scrambled eggs. A great reward for those working the night shift and sleeping over through the weekend.



What follows a great Friday evening meal? The traditional card game including players Gabe (WI9GC), Nels (WA9JOB), new member and ham Jim Douglas, Gary (N9UUR) and Jeananne (N9VSV).



Ed Rate (AA9W) really racked up the points in his GOTA (Get On The Air) station with new HAM operators such as the sons of Cindy Douglas (KA9PZG).



Gary Bargholz (N9UUR) made his contact via the satellite using his FT847 transceiver and portable Arrow antenna



Ken Boston (W9GA) was operating on 80 and 15 meters from the OZARES comm. Van using his FT847 and the ORC tower trailer and beam. Observing was Tom (KC9ALL) from the American Red Cross.



Jeananne Bargholz (N9VSV) did a great job on 6 meters making over 125 contacts with only an "Armstrong" beam on a 30 ft. tower.



Jim Albrinck (K9QLP) was operating 40 phone while introducing new member Janice Hoettels (KA9VVQ) to the nuances of contest logging.



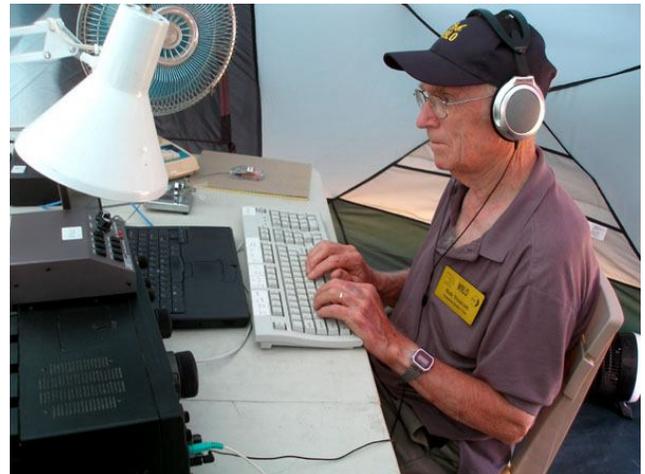
There's always time for visiting and a cold "807" as here demonstrated by Ed Frac (AA9WW) the "refreshments" chairman, Bob Frank (N9NRK) and Gray Sutcliffe (W9XT).



Steve Pierce (NC5B) was recruited to operate at Leon's (K9GCF) 20 meter Phone station set up in Jim Hilins (KA4UPW) "pop-up".



Past President Terry Berg (WA9AWO) and wife Ann (WD9JHP) again joined us from IL to oversee the 75 and 20 meter CW operations.



As always, Bob Truscott (W9LO) was the driving force behind the 40 meter CW tent and along with Gary Sutcliffe (W9XT) was one of the high point getter operators.

7. The Cook Tent came down on Wednesday, following Field Day as it needed to dry out from the weekend storms. Thanks to all that helped with that take down, roll-up, and store.



The cook tent she is getting tired and quite worn but she continues to serve. She went “up” Thursday evening but had to remain in place until the following Wednesday when she finally dried out.

8. I don't know the scores, but this won't be a stellar year in the points category. Better next year, without the thunderstorms.....we hope!

Thanks to all that helped in any way, before, during and after the 2010 Field Day.

Leon Rediske, Co-Chair FD 2010

For Sale, Trade or ?

* Vertical antenna material - 2 inch irrigation pipe, ~40 feet. Work WAS & DX on 160M and more. Pick up. No charge.

Radio Restoration Project - Scott SLRM Marine Radio. Needs capacitors or maybe more. Isolation transformers have been added for 110 VAC only operation. \$25.00.

Pictures, manual, & schematic available at

<http://jptronics.org/radios/Military/slrm/index.html>

Ray Totzke W9KHH 262-377-4010

Upcoming Events

July

10th - Oak Creek Hamfest
11th - Aurora, IL Hamfest

August

August 8th - Peotone, IL Hamfest
August 14th - Racine, WI Free Hamfest
August 21st - ORC Corn Roast/Lighthouse Event (Port Wash Upper Lake Park)
August 28th - Baraboo, WI Hamfest

September

11th - ORC "Ham & Hobby" Swapfest
11th thru Monday, September 13th ARRL VHF QSO Party
18th - Peoria, IL Hamfest
25th - Belvidere, IL Hamfest

October

16th thru Sunday, October 17th - J.O.T.A. (ORC/LeFrog at Pioneer Village)

Editor's Comments

De Tom Ruhlmann (W9IPR)

Tour de Cure and Field Day – they were fun.

I rode the motorcycle as “sweep” behind the 50K riders and really enjoyed both the ride and visiting with the riders and HAMS at the rest stops. That was fun – and we got refreshments and a free “T” shirt too boot. That was a “do again”.

Field Day? What could I say that hasn't already been said? It is always a good time – operating or not. I was pleased to see many new hams and faces there as both observers and operators – The new active members gave me confidence that ORC activities will continue. Frankly however, I was a bit disappointed at the turnout of the “regular” membership. They missed a good time operating and kibitzing.

Six meters? Magic band? Now that has really been fun. I knew there was the VHF-UHF contest so I thought I would try 6. It was really open

for the contest and beyond. I would just work it an hour or so at a time and must have picked up 8 or 10 new grid squares every time. I checked my log and now have well over 100 grid squares – now to get them confirmed. Now I leave the FT847 on the calling frequency of 50.125 just in case. I also found that the squalo (square halo) works great for 360 degree reception to be followed by “zeroing in” with the beam. Six meters? It’s a challenge and it’s fun. There’s another VHF contest the weekend of Sept. 11th.

Current project? Restoring a Hallicrafters HT-32A. That’s also fun.

It’s time for you to have some fun – what are you up too?

Minutes– June. 9th, 2010

De Patrick Sullivan (KC9LRK)

Bill Howe, KA9WRL called the meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Bill Howe, KA9WRL reported that in appreciation for the BSA merit badge session, the ORC was awarded a Plaque with an attached badge, which read "Kettle Country 2010 Camporee".

The 2010 ORC roster is now available, through the efforts of Membership chair David Barrow, N9UNR and Gabe Chido, WI9GC.

PROGRAM:

Field day Planning, Leon Rediske K9GCF
Many Field Day topics were discussed with arrangements being made as needed.

50/50 RAFFLE RESULTS:

Ed Seigworth, AA9GT won the 50/50 raffle this evening.

AUCTION

Stan Kaplan, WB9RQR and Jon Gilmore, KB9RHZ ran the auction. Some of the items acquired by bidders included a cordless hedge trimmer, Netgear switch, desktop switch, cat 5 cable, 16 port Linksys switch, battery powered speakers, powered speakers, 2 Gigabit jazz drive, Omega 2-meter aluminum antenna, locking cables, USB fax, printer card, Sony walkman, old camera lens, color

television camera tube, popular electronics magazines, a cup and pins.

MINUTES:

Minutes for the May 12, 2010 meeting were accepted. David Barrow, N9UNR motioned to accept as written, Jon Gilmore, KB9RHZ seconded the motion. 100% vote to accept then followed.

TREASURER’S REPORT:

The treasurer's report was presented by Nels Harvey, WA9JOB. Terry Koller, KA9RFM motioned to accept the treasurer’s report subject to audit. Ed Seigworth, AA9GT seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT: Nels Harvey, WA9JOB reported that 220 repeater is working fine except one of the links is not responding.

COMMITTEE REPORTS:

Corn Roast and Light House events will be held on August 21, 2010 in Upper Lake Park in Port Washington.

Membership Committee, David Barrow N9UNR - The ORC membership is now at 123 members.

September Swapfest, Tom Ruhlmann W9IPR - This Swapfest will be on Sep 11, 2010 at Fireman’s Park in Cedarburg, WI.

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT:

Kent Christiansen, N9WH motioned for adjournment, it was seconded by Stan Kaplan, WB9RQR and a 100% vote in favor followed.

MEMBERS ATTENDING TONIGHT’S MEETING:

Attending tonight's meeting were 3 guests and 37 members meeting. Ed Seigworth AA9GT, Ed Rate AA9W, Ed Frac AA9WW, Mark Tellier AB9CD, Mike Yuhas AB9ON, Leon Rediske K9GCF, Jim Albrinck K9QLP, Joe Sturmberg KA9DFZ, Terry Koller KA9RFM, Bill Howe KA9WRL, Mark Fielkow KB9PXE, Jon Gilmore KB9RHZ, Michael Richter KB9WNS, Muhammad Kahn KC9CPC, Ron Underwood KC9DKQ, Nancy Stecker KC9FZK, Patrick Sullivan KC9LRK, Art Davidson KC9PXR, KC9RNV Cliff Kollross, Todd Fast N9DRY, Loren Jentz N9ENR, Robert Frank N9NRK, David Barrow N9UNR, Kent Christiansen N9WH, Ken Boston W9GA, Tom Ruhlmann W9IPR, Ray Totzke W9KHH, Bob Truscott W9LO, Chuck Curran W9POU, Bob Sein-

feld W9QJN, Tom Murtaugh W9VBQ, Gary Sutcliffe
W9XT, Nels Harvey WA9JOB, Jeff Alper WB9PZD, Stan
Kaplan WB9RQR, Gary Sharbuno WI9M, Robert Krub-
sack WQ9N and guests Tom Trethewey KC9ONY, Janice
Hoettels KA9VVQ, Dave Milke WB9EGZ

AGENDA

July 14th, 2010

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 – Mark Tellier (AB9CD)
 10. Committee reports.
Corn roast/Lighthouse contest
Sept Swapfest –
JOTA-
Other -
 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 14th

7:30 PM



The ORC Newsletter

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Volume XXIV

August, 2010

Number 8

From the President

De Bill Howe II (KA9WRL)

Like many of us in the Ozaukee Radio Club, before we became Ham Radio operators, we were probably interested in the technology and might have been CB operators or even "SWL's" (Short Wave Listeners).

Among my many collections, Short Wave receivers are one of my passions. There's a lot of excitement and fun in just plain ol' listenin' to foreign shortwave stations. It's easy to do, in one sense . . . just turn on the receiver, and there they are!

During normal band conditions, there are so many foreign stations on a band like the 31-meter band that one simply follows the other on the dial.

You'll find a great deal of variety among the stations. Many foreign broadcasters broadcast in English, beaming their signals to North America during convenient listening hours. They also broadcast in the language of their country. In some cases, the stations broadcast in many languages, beaming their signal to different geographic areas. News, features that describe the culture of the country, radio drama, music and sports are all to be found among the stations.

On another level, shortwave listening is more of a hobby, rather than casual listening. It's fun to search for that elusive station that you haven't been able to find. While the BBC, Radio Moscow and Radio Japan are all easy to find, it's a lot more difficult to locate some of the Asian, African and South American countries. This is

especially true when the broadcasts are not in English.

Most stations identify themselves on the hour mark, sometimes in English. Another thing to look for is a musical identification. Radio Canada repeats the four notes of the national anthem "O Canada" over and over before the hour mark, for example.

Other foreign broadcasters do the same, using a few notes from their anthem or popular songs. Radio Sweden broadcasts varying bird songs at times!

There are lots of great reference books for "SWL-ing", loaded with locations, frequencies, times of broadcasts and notes about the stations themselves.

Some Amateur Radio transceivers are not only "general coverage", from 3 MHz to 30 MHz, but also expand below and above the HF band, convenient for shortwave listening. I find that when perusing the SWL bands, my long-wire antenna works best, but I've even had luck with my Discone antenna.

I keep separate logs to avoid confusion, one for my 2-way contacts and another for SWL-ing.

All I need is more time in the day (and night), but don't we all?

Computer Corner

De Stan Kaplan (WB9RQR)

Not long ago, my wife Nancy and I went to Parker, Colorado (near Denver) to visit one of her sons. I did some work on his computer, and then used it to check my email. That's no big

deal, but what I did next is. I logged on to my Winlink 2000 computer desktop at home, checked the mail and even answered two messages that were in my inbox. How did I do that? Using another amazing free program called Teamviewer.

I have written about Remote Control Pro, which covers your desktop with the desktop of any computer on your home network so that you can control it. However, to access any computer outside of your local home network, you need additional software to tunnel through the Internet. Teamviewer requires nothing additional. Here is how it works.

You install Teamviewer on your local machine. Then you use it to send a little program and invitation to a remote computer, anywhere in the world. If the owner of the remote computer agrees and runs the little program, he is presented with a code (really a unique address, in the format 111 222 333) and a random password. He may change the password to whatever he wishes. The owner then informs you of his address code and password. You then type in the remote computer's unique address code and the password in your copy of Teamviewer, and suddenly your desktop is covered with the remote desktop. You can do anything at that point. Run programs, add or delete files, send files from your machine to the remote unit, even reboot the computer or shut it down completely. Moreover, if you reboot the remote computer, Teamviewer gives you control even before Windows is up and running fully. You know that log on screen in XP? You can even control that. Needless to say, I use it periodically to make sure the Colorado machine is up to snuff and running correctly.

The company (in Germany) simply has a database of all of the addresses (one of which they provide to you when you use the program). When you request connection to the remote computer, the request goes to the Teamviewer servers, which look up the correct address and connect you (after you have entered the correct password). Typically it connects in about 3 seconds. They provide this service for companies all over the world (for a fee), using the highest

security methods to keep stuff safe, and they have decided to make it free for non-commercial use.

Here is a success story using Teamviewer. Another of my wife's sons who lives here in Wisconsin is really not very computer savvy. He does OK, but often runs into trouble. I put Teamviewer on his machine. Recently, he called me because he was having difficulty in transferring some of his files from his old machine (burned to a CD) in the proper place in the new machine. I activated my copy of Teamviewer, and suddenly his desktop appeared on my machine, 30 miles from his. Both of us had control of his desktop! Using Explorer, I clicked our way into his E: drive, created a new folder named Pictures, then opened the CD with another copy of Explorer and dragged the files and folders to Pictures. Then I closed the CD and told him to take it out of his machine, which he did. He could see my cursor as I worked and as I explained what I was doing on the phone, so he learned by seeing his own desktop and hearing what I said. He now knows how to do that particular task, and learned it in a very short time. What a problem solver, and I didn't have to drive 30 miles!

Another example. One of my friends has a Winlink station out in his unheated barn, quite a way from his house. I helped him to set up Teamviewer to control that station from the comfort of his home office. That has been a lifesaver when the outside temperature drops to below zero! Yet another example: Jim Darrow (KB9MMC), ARES Assistant Section Emergency Coordinator for Digital Communications in our state, now uses it to connect to and tweak a number of Winlink stations around the state, as a service to help folks keep their stations up to snuff. It is simple, secure and it works. What a program! Danke schoen, Teamviewer!

You can get Teamviewer from <http://www.teamviewer.com>, or from my favorite software site, <http://www.majorgeeks.com>. Teamviewer communicates with ease over firewall barriers and proxies, via the Internet, to give ad-hoc remote support to colleagues and

friends. You can even use it for online presentations or collaborations. Are two of you giving a talk at a radio club in the future? How about using Teamviewer to collaborate on-line to build the PowerPoint presentation? This is another software package that meets a need in modern computing, and it has caught on. Over 15 million copies are in use at present. It works with all versions of Windows up through Windows 7. The many corporations that pay for its use make it possible for the company to make it free for home use. What a gem!

On another important topic, Microsoft, a company we all know doesn't get it right very often, has gotten it right again. They have a new (free) program out, called **Microsoft Security Essentials**. It is an antivirus and antispyware program rolled into one. I surmise they feel an obligation to the huge numbers of Windows users to help them with virus and spyware security. At any rate, it is wonderful. Not only is it free, it is a snap to download and install, with the only the initial virus scan taking any time (just a very few minutes). The important thing is that it is never in your face (unless a virus or spyware program is detected). Furthermore, it downloads and installs updates and scans your computer in the background automatically. It doesn't seem to use a lot of computer resources, either – no slowing down of your machine when it is working. The word on the street is that while it is not the best in the world, it is quite good and more than adequate for the average user. I have put it on all my XP and Windows 7 machines and it is fine. The price (free), coupled with better than adequate performance and a "not in your face all the time" design make it a winner. Goodbye Norton! Goodbye McAfee! (Ugh!) No more annual fees to pay for security. No need to have separate antivirus and antispyware programs running on your machine. This does it all. Highly recommended. One caveat. Go get the installation program and download it to your desktop (do a Google search on Microsoft Security Essentials). Then remove (uninstall, using the Add/Remove Programs icon in your Control Panel) any antivirus and antispyware software on your machine. Reboot, and then install the Microsoft program. Why this

sequence? You can never have more than one antivirus program running at a time, without adverse consequences. Install it correctly.

I am constantly amazed at the amount and quality of totally free software that is out there! Another winner that I have come across is **Glary Utilities** (www.glaryutilities.com). But, let me first give some background.

My all time favorite freeware program is **Ccleaner** (www.ccleaner.com). (The current name Ccleaner is their shortened and politically more correct name for its original Crap Cleaner moniker). When emptying the recycle bin, I right click the bin icon and select Run Ccleaner. That is a lot faster than clicking the recycle bin icon and having to confirm with another mouse click to dump the contents, and then wait and wait and wait for Microsoft's software to empty the bin. And when I want to do a quick cleanup of the Registry, I right click the Recycle Bin icon and select Open Ccleaner, and the program pops up. First, I click on Run Cleaner to empty the recycle bin, then a click on Registry and Scan for Issues. In just a couple of seconds, all the issues are listed, and a click on Fix Selected Issues cleans up the problems. This program is a wonderful way to clean things up quickly in a very short time. It is so easy that one can do it routinely, between other computer tasks. That is why Ccleaner has caught on worldwide. Over 300 million copies have been downloaded to date! That number tells you something.

But every program has its limitations, and Ccleaner does miss a few entries in the Registry that can and should be deleted. And, as is the nature of Windows (any version), more bad entries accumulate constantly. Glary Utilities seems to do a more thorough job of identifying and cleaning useless entries in the Registry, so I have begun using it from time to time, in place of Ccleaner, to scrub the Registry. It's "One-Click Maintenance" button checks for Registry errors, shortcut errors, dangerous entries in the Startup menu, cleans temporary files, erases tracks and checks for spyware (but it is not a substitute for a stand-alone spyware-killing program). It finds all those items, and will show you what they are and where they are, should

you wish it. Then a one-click "Repair Problems" fixes the issues. There are other options with the program, such as optimizing Internet speed and encrypting confidential files, to name just two. But the cleaning functions alone make it worthwhile to download and install. For novices, everything can be done with one or two clicks, while power users have lots of options and tweaking tools at hand. Highly recommended. By the way, you can get it and Ccleaner from www.majorgeeks.com, the best site in the world for safe freeware and shareware. Happy Computing!

Corn Roast

The annual ORC Corn Roast is coming up on August 21! Bring a picnic-like food to share. The brats, burgers, and chicken will be coming off the grill when the cook says they're ready ... between 11:30 and 12:30 or so. Afternoon games will include bingo, lawn games, and more.

Dave Barrow did a nice job of describing the Corn Roast in his recent email to ORC members ... so here it is again.

This is truly a family affair - bring the kids and "significant others". We gather mid-morning and visit before the corn gets boiled, enjoy club provided meat and beverages and enjoy the various dishes and snacks the members have brought to pass. We are changing the location this year and will be in Port Washington's Upper Lake Park at the shelter in the middle of the park. After the corn is boiled we peel the shuck back, dip it in melted butter, sprinkle a little salt and MUNCH! There will be games, conversation and a pleasant afternoon. In order to acquire the proper quantity and variety of food - PLEASE let Tom Nawrot know if you plan to attend (email: tnawrot@wi.rr.com).

The Shack that Took a Shower

De Jim Albrinck K9QLP

It happened on Field Day weekend, my Ham Shack took a shower,---- literally!!! I arrived home around 8:30 Saturday evening after a fun afternoon of working Field Day at the 40 meter and 6 meter stations. A nice hot shower to get rid of the "OFF", poison ivy touches, and road dust from Lazy Days was on my agenda. My wife, Sue, who did not look too happy, greeted me at the garage door. "We had a catastrophe!" she said as I walked into the house. You can imagine what goes through your mind when you are greeted with those or similar words. Did my 91-year-old mother in Cincinnati have a fall or heart attack? Was one of my daughters or grandchildren involved in an accident? My mind just buzzed. She hadn't called me on my cell phone as she did three years ago when her father passed away, so what happened??? "I was washing some mats in the first floor laundry room and the tub overflowed and went into the basement on top of your radios", Sue blurted out. She went on to say she mopped up and used every towel in the house, but it was still a mess.

I collected my thoughts and went to the basement to assess the damage. The Icom 751-A, my main HF rig was soaked. The VHF and UHF radios were wet, but had not taken the bath like the 751 and the power supplies had gone through. Luckily, the Dell laptop had the lid closed and not much water fell on it. My "wall paper" (WAS, WAC, VUCC, CQ DX, DXCC, etc, although in frames, was also soaked. What to do? I thought a bit and then employed a tactic that I have used many times at the Cedarburg Fire Department with pagers and portable radios, I dried them---slowly.

After the rest of the water was mopped up and the surfaces were dried, Sue worked on drying the "wall paper". I went to work with a hair dryer on every radio, but the 751. They were not soaked so after a few minutes with a 1500-watt hair dryer, I was able to apply power and test them and they were fine. I then checked out both Astron 35M power supplies and the magic hair dryer did the trick. Dry as a bone. I had a schedule with a friend in Florida at 7:30 AM so I got out the Kenwood TS-120 and got it tuned

up and ready for the sched. Now for the big test.

I took apart the 751 Icom. Water ran out as I removed the bottom. With a sponge on a stick, a sponge type paintbrush, I mopped up the water I could see on the boards. The radio was then left to sit on its side overnight on the kitchen table. In air conditioning I surmised that some of the dampness would go away. It did. The next morning I worked my Florida friend and proceeded to dry the 751. I used the hair dryer on a high setting, keeping the nozzle about a foot away from the circuit board. Some solid-state components are very heat sensitive so slow, gradual drying is best. In the afternoon, I repeated the process. On Monday, I plugged the rig into a power supply for my first test. Display was garbled and s-meter was pegged to the right, not a good sign. Audio was also garbled on receive. On low power (5 watts) I tried the transmitter---yeah, it worked. I called HF rig expert Dick, K9CAN, for some more tips. "Let it sit for a few more days," Dick replied. "Remember it takes time". The hair dryer, open radio routine was repeated for three more days and on Friday, came the big test. Everything came back to normal and sounded fine per WI9M and W9BCK and their very critical broadcast engineer ears.

My wife was very grateful that things were better and that I loved her more than the radios. When I told her that a friend had a very nice Kenwood TS-850S for sale at a very good price, without asking the price, Sue said "Why don't you just buy it?" and I did. So now the 751-A has been relegated to back-up, the TS-850S is the main rig, and the poor TS-120 is in Dr. Scarvac's Hospital with an unknown ailment. Maybe it needs to retire? Drying out electronics is a very slow task. Warm air and patience is the only way. I was blessed in many ways: A loving, caring wife who knew how important the radios were and got the clean-up moving AND didn't interrupt Field Day; the water was CLEAN and without soap, etc. and luck was on my side. We are remodeling the Laundry Room and a floor drain is being installed, too. It was a Field Day weekend that won't be forgotten soon.

Membership

By Dave, N9UNR

Please join me in welcoming the return of Brian (N9LOO) and Angie (KC9BTF) Skrentny after a couple of year's hiatus for a couple of kids. I hope that we'll all have an opportunity to ohs and aah at the Corn Roast.

As membership chair I've been giving a lot of thought as to why folks don't participate more in the club's activities. Have you noticed that some of the club's "wheel horses" are getting a "little long in the tooth"? I don't know about others but I am no longer the "spring chicken" who eagerly joined in 1993. I doubt that any of our current members remember spark gap but there are several who have spoken fondly of the transition to SSB and the introduction to 6M FM. I am absolutely amazed at the knowledge and patience of those who have gently tutored me when I was having problems – and of those who would come to my house and let me try my HT while waiting ELEVEN WEEKS AND FOUR DAYS for my license to arrive (Thanks Ron). We have a wonderful group of Elmer's!

There are those who have absorbed our warmth and friendship and have moved on. Why? Maybe they were bored, maybe they were slighted, maybe they lost interest. In my opinion there are two ways to solve an organizational problem – walk away – or solve it. There is no possible way to be all things to all people but we have a great thing going. Will it continue? Only if YOU help. What do YOU see that needs improvement? Why don't YOU volunteer to the President to help?

Swapfest Sept 11, 2011

Don't forget the ORC Fall Swapfest being held on Sept. 11 at Fireman's Park in Cedarburg. Just drive in and sell from your trunk. It was fun last year and will be again this year. If you want to volunteer to direct traffic, take tickets or for other duties just contact Tom Ruhlmann (W9IPR) at 262-377-6945.

South Milw. Swapfest

The South Milwaukee Swapfest was held this year in memory of Vern Teske, founder of the SM Radio Club and one of the founders of the ORC. It was again a good time with good deals abounding. This Swapfest is essentially the pattern for the ORC Fall Swapfest at Fireman's Park. Ed Rate (AA9W) and Tom Ruhlmann (W9IPR) again took a trailer full of stuff on behalf of the scholarship fund but only took in about \$130. We are pretty much down to parts and "stuff". No high value items at the moment but it's still fun to "dicker".

Upcoming Events

August 8th - Peotone, IL Hamfest
August 14th - Racine, WI Free Hamfest

August 21st - ORC Corn Roast
/Lighthouse Event (Port Wash Upper
Lake Park)

August 28th - Baraboo, WI Hamfest

September 11th - ORC "Ham & Hobby"
Swapfest

September 11th thru Monday, September
13th ARRL VHF QSO Party
September 18th - Peoria, IL Hamfest
September 25th - Belvidere, IL Hamfest

October 16th - 17th - J.O.T.A.
(ORC/LeFrog at Pioneer Village)

Club Static

I hear that Tom Nawrot (AA9XK) recently retired – Congratulations Tom, I hope you enjoy it as much as I have.

EyeBall QSO - by Dave, N9UNR

After a little "prodding" from the XYL I decided that the locks were a little long so I called Headquarters (in Grafton) to get them shortened. As Jill was doing her usual great job making me more presentable in walked Wil for the next appointment – followed by Jerry. We discussed

about four other members of the club who also frequent the place. I guess good service attracts good people – or maybe it is a "radio-active" barber shop! It was a GREAT morning with good friends!

Minutes– July. 7th, 2010

De Patrick Sullivan (KC9LRK)

Bill Howe, KA9WRL called the meeting to order at 7:30 PM. Introduction of all present followed.

ANNOUNCEMENTS:

Tom Ruhlmann, W9IPR presented the Junk Box Contest award to Stan Kaplan, WB9RQR for the construction of Antennas from Lamp shade frames.

Leon Rediske, K9GCF announced that the Field Day point's captain has been out of contact and the status of the tabulation and preparation for submittal of the field day contacts is unknown.

Ed Rate, AA9W announced that the scholarship committee has a Chicago Webster Wire Recorder console. Anyone that is interested or knows someone who is interested, please contact Ed Rate, AA9W.

Stan Kaplan, WB9RQR lent 5 laptop computers that were used at field day to ORC members until next Field day.

Gary Sutcliffe, W9XT announced the results of the Wisconsin QSO party. Unfortunately, the ORC has slipped to 3rd place this year.

Bill Howe, KA9WRL asked the ORC membership if there is anyone who knows anything about restoring or repairing old jukeboxes...or if the membership knows of anyone who's had experience repairing Jukeboxes. If so, please contact Bill Howe. The Grafton Senior center has Jukebox in need of repair and is willing to pay for repair services.

David Barrow, N9UNR recognized the field day support efforts of Nancy Stecker KC9FZK, Jane Rediske KB9SYI and Julia Nawrot KB9WBQ,

Patrick Sullivan KC9LRK has a socket and ratchet that were found during field day clean up; please contact Patrick to claim the socket and ratchet.

PROGRAM:

none

50/50 RAFFLE RESULTS:

Terry Koller KA9RFM won the 50/50 raffle this evening.

AUCTION

Stan Kaplan, WB9RQR and Ed Rate, AA9W ran the auction. Some of the items acquired by bidders included a Color printer with new ink cartridges, a bag of computer fans, 50' of open feed line, 2009 ARRL Operating Manual, a Repeater directory, 4 port networking hub, computer magnets that can be used to catch Iron head fish but not stainless steel head fish, books, a large box of stuff, a Home brew piano tuner, a AM/FM/shortwave/long wave/ham band receiver, CQ magazines and QST magazines.

MINUTES:

Minutes for the May 12, 2010 meeting were accepted. David Barrow, N9UNR motioned to accept as written, Mark Tellier AB9CD seconded the motion. 100% vote to accept then followed.

TREASURER'S REPORT:

The treasurer's report was presented by Nels Harvey, WA9JOB. Patrick Sullivan, KC9LRK motioned to accept the treasurer's report subject to audit. David Barrow, N9UNR seconded the motion and it was followed by a 100% vote in favor.

REPEATER REPORT: none

COMMITTEE REPORTS:

Membership Committee, David Barrow N9UNR. Three new members joined at field day and current members recently renewed their membership.

Corn Roast and Light House event, Tom Nawrot AA9XK. This event will be held on August 21, 2010 in Upper Lake Park in Port Washington. If you have not had your official ORC Photo taken please plan to have your photo taken at this event. Tom Murtaugh W9VBQ will be set up to take official photos at this event.

September Swapfest, Tom Ruhlmann W9IPR. The Sep. 11 Swapfest will be on, 2010 at Fireman's Park in Cedarburg. The committee meeting for this Swapfest will be held in early August.

Field Day, Leon Rediske K9GCF. With a large debt of gratitude, Nancy Stecker KC9FZK, Jane Rediske KB9SYI and Stan Kaplan WB9RQR were presented with a plaque elevating their status to "Exulted Chef's". This plaque recognizes their efforts to prepare the Field Day Friday night feast.

OLD BUSINESS: None

NEW BUSINESS: None

ADJOURNMENT:

David Barrow N9UNR motioned for adjournment; it was seconded by Kent Christiansen, N9WH and a 100% vote in favor followed.

MEMBERS ATTENDING TONIGHT'S MEETING:

Attending tonight's meeting were 2 guests and 31 members meeting Ed Rate AA9W, Mark Tellier AB9CD, Leon Rediske K9GCF, Jim Albrinck K9QLP, Terry Koller KA9RFM, Bill Howe KA9WRL, Mark Fielkow KB9PXE, Nancy Stecker KC9FZK, Patrick Sullivan KC9LRK, KC9RNV Cliff Kollross, Todd Fast N9DRY, David Barrow N9UNR, Kent Christiansen N9WH, Ken Boston W9GA, Tom Ruhlmann W9IPR, Ray Totzke W9KHH, Tom Murtaugh W9VBQ, Gary Sutcliffe W9XT, Nels Harvey WA9JOB, Jeff Alper WB9PZD, Stan Kaplan WB9RQR, Tom Nawrot AA9XK, Richard Holt AB0VF, Cindy Douglas KA9PZG, Kate Holt KB0SIO, Julia Nawrot KB9WBQ, John Ansay KC9GJD, Michael Eibs KC9QNN, Janice Hoettels KA9VVQ, Tom Rehm K9PIQ, Brian Skrentny N9LOO and guest Ernie Swanson K9LO, Peter Chow AF6DS.

AGENDA

August 11th, 2010

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).
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9. Repeater report – Mark Tellier (AB9CD)
 10. Committee reports.
Aug. 21 – ORC corn roast/lighthouse event
Sept.11 Swapfest –
Oct. 16 - JOTA
Other -
 11. OLD BUSINESS
 12. NEW BUSINESS
 13. Adjournment to ?

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465 Beechwood Drive
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First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton

Wednesday, August 11th

7:30 PM