



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

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The Prez Sez

By Tom Ruhlmann (W9IPR))

Again, for me the past month has been a fun month in HAM radio. I went to AES to replace the broken 2Meter antenna on the car and noticed a broken 6 foot Diamond 144/445 MHz antenna on the bargain table. What could be better than a broken \$100 antenna at a bargain price? And \$5 was a bargain price. It was broken clean in half. As luck would have it I had some copper sheet to repair the internal tubing and the exterior fiberglass $\frac{3}{4}$ " sleeve was a perfect fit for PVC plumbing (tan) couplings. It is now repaired and the SWR checked out right where it should be. Now it rests on my garage roof replacing a jury-rigged 2-meter antenna. Some days you are lucky.



A few of the GMDXA members engaged in informal discussions of antenna, DX worked and operating techniques at the November meeting held at W9IPR's home.

Then it was my turn to host the Greater Milwaukee DXCC Association meeting. They meet the 4th Monday of the month. As they are growing in numbers (23) they are looking for a more central and permanent place to meet but until then we meet at members home. If you are interested in

chasing DX on HF or VHF/UHF this is the group to join. While they do officially have a business meeting the majority of the evening is consumed in group discussions about various DX expeditions, countries worked, antenna and techniques of DX operating.

If you are interested, contact Gary Sutcliffe (W9XT) who is a past president of the GMDX association. Their web site is www.eng.mu.edu/gmdxa/

Then I was prompted by a QST article to build a resistive load bank to consume some of my junk box parts and provide a test load for evaluating small batteries and power supplies. Again I was lucky and had sufficient parts to complete the project. Now to find some place to store it. So it's been a fun month from a personal standpoint.

It's December and the Christmas/Hanukkah season is upon us. Certainly it is a time to reflect on our good fortune and to give thanks. It is also a time for sharing. Perhaps one of the greatest gifts we can share is our time and technical and operator knowledge of HAM radio. Have we "Elmered" anyone this year – either within or outside the club. Just because someone is an ORC member does not mean they don't need some encouragement and assistance. Perhaps that is the reason they joined the ORC. If you need some help on a project don't be afraid to ask the person next to you at the meeting or to look up an authority at the "technical advisors" portion of our website and give them a call. Most of us would like to help but are reluctant to offer just as others are reluctant to ask. The ORC is a tremendous resource – use it. And do offer to share your time and capabilities both within and outside the club. You will find it very rewarding. Special thanks to Mark Tellier for hosting the "Elmering" sessions prior to the meetings.

Pat and I wish everyone a very Merry Christmas and Happy Hanukkah.

Again, election of officers is at the January annual meeting so be there or you might get elected. Remember that you must have paid your dues to vote. A dues/membership application is attached to this newsletter for your benefit. 73's, Tom

CONTESTING

De Bob Truscott (W9LO)

A funny thing happened during the Nov. SSB Sweepstakes. Ed, AA9WW, joined me for a multi-op effort, and during one of his operating shifts he answered a CQ from a station out in W-7 land. In the interest of using the best operating procedures, Ed had signed as "Whiskey Nine Lima Oscar". The 7er answered with "HEY, W9 LOUSY OPERATOR, WHY DON'T YOU USE PROPER PHONETICS LIKE YOU DO ON FIELD DAY?" The guy definitely had his sense of humor turned on. We got a chuckle out of it too. I don't know if Ed went back to using "proper phonetics" after I went upstairs to watch the Packers game or not. He didn't say.

Mark and Naomi got their first contest experience from their home QTH, as KC9GST. They did a great job as first timers. Look for them in future contests—they'll be there. Leon cheated on us a little bit—he and Jane worked the contest from sunny Florida, while the rest of us froze our tails off at home. I believe he said something about operating from the patio. If there is any justice in the world, the temperature will be -10 degrees on the day they come back home.

Contest Results:

Nov. CW Sweepstakes

Qs	Sections	Score
W9LO		
798	76	121,296
N9FH		
598	78	91,884

W9XT		
419	78	65,364
WI9M		
231	66	30,492

Nov. SSB Sweepstakes

K9GCF		
333	74	49,284
W9LO (With AA9WW)		
188	57	21,432
WI9M		
150	53	15,900
KC9GST		
150	50	15,000
AB9CD		
125		11,740
KA9WRL		
101	43	8,888

CQ WW-CW

Qs	DX	Score
W9XT		
1,071	396	1,600,000

Coming Up In December:

ARRL 10 Meter Contest Dec. 8 (Local Time)
CW & SSB Rules in QST, Nov, page 105.

ARRL Straight Key Night Dec. 31 (Local Time)
Rules in QST, Dec., page 98.

Stew Perry Top Band Distance Challenge
Dec. 30 (160 Meters Only) – Rules in QST, Dec., page80

Have fun contesting. Bob

New Member- Charles Curron, WA9POU

While Charles is one of our newer members he is not new to "HAM" radio or Ozaukee County. Charles grew up in Thiensville and got his Novice license in 1961 while a student at the Thiensville Grand Avenue Elementary School. His "Elmer's" at the time were Austin Prince (WA9GDA) and Hal Giese (W9RXJ) of the ORC and he joined the club originally at that time. He then earned his General license in 1964 while a sophomore at Homestead High School. This early interest in electronics naturally led him to

earn an electrical engineering degree from University of Wisconsin. Since then he was employed as the Manufacturing Manager at Doerr Electric and later at Leeson in Grafton. Currently he is in Manufacturing Engineering with IBCC Global Resources and travels frequently to their facilities in China and Korea.



Charles Curron, WA9POU, is one of our newer members having joined the ORC back in January or 2006.

He was quite active in the 60's and 70's but like most of us his operating time decreased as the family grew. However, he maintained his license and a couple of years ago his uncle, K9BCG in Wausau, was cleaning house and offered him a Heathkit SB101 and a Collins R390A receiver. That rekindled his interest and he got back on the air with the SB101 transceiver. Then he dismantled and completely re-stored the R390 receiver.

Naturally, getting back on the air with the vintage equipment sparked his interest in more current equipment and he is now operating an ICOM746 feeding the AH4 tuner and 250' long wire antenna. With his sights on DX, he has a Heathkit SA2040 2kW antenna tuner and is building an HF amplifier using a pair of 3-400Z Elmac tubes he still has from 1968.

Welcome to the ORC Chuck. We are looking forward to hearing that BIG signal.

Having Too Much Fun!

Mark and I have wanted to learn about "contesting" so we were thrilled when Bob Truscott, W9LO approached Mark at a meeting and volunteered to show us the ropes. We arrived at Bob's house on a cold Saturday afternoon, met his lovely wife, Jean and then went downstairs to see his awesome ham shack. Shortly after we arrived, Ed Frac, AA9WW also showed up for our mentoring session. Bob has a wealth of information about technique, etiquette and technology, and he generously shared this with us. We took turns "roll playing" QSO's and learned how to utilize the N3FJP logging program. It was incredibly helpful and informative, and we left with a lot of enthusiasm about contesting.

Mark and I spent the next week getting our equipment ready for the big day. We started at 3pm and before we knew it, three hours had gone by. I was tricked into going to sleep, and at about 4 in the morning, I stumbled into the living room and found Mark with coffee in hand and headphones on. We ended up with 150 QSO's in 50 sections. I guess we're hooked! Our next hurdle was to figure out how to electronically submit our log. After many failed attempts, we called Mark Tellier, AB9CD who has been doing such a great job with our club's mentoring sessions. Mark was really helpful and patient as he walked us through the computer procedures over the phone. Thanks to Mark, we were successful in sending our report. This is exactly what mentoring is all about. Friends sharing knowledge and experience and making it fun. It is often uncomfortable asking for help, but helping others is a big part of amateur radio. Our members have so much knowledge to share and are very willing to help. Thanks for all the fun!

Naomi & Mark

Project of the Month

De: Tom Ruhlmann, W9IPR

I recently noted an article in QST about building a 12 VDC load box of resistors to check out power supplies and batteries. It inspired me to survey my junk box and design my own load box

based on available parts. I found a great box that was originally used for an oscilloscope probe; a variety of 5, 10 and 25-watt resistors, a one-amp meter, 12VDC computer fan from Stan and a few switches.



The completed 12 VDC Resistive Load Box.

The completed unit can provide individual loads of 0.06, 0.12, 0.25, 0.5 and 1.0 amps on the rotary switch and loads of 1.2, 2.4 and 6.4 amperes on the toggle switches.

The interesting part was determining the X10 shunt for the one amp meter so it could be used to indicate up to 10 amperes. This was done by determining the millivolts required to deflect the meter full scale at one-ampere load. It was measured at .070 volts. For it to be used at 10 amperes, one ampere should flow through the meter while 9 amperes flowed through the meter shunt (resistance in parallel with the meter terminals).

Using Ohm's law the shunt resistance would be equal to the 0.070 full-scale voltage divided by 9 amperes (0.070volts/9amperes) or 0.00778 ohms. Wow, that's pretty small. In Chapter 24 of

my ARRL Handbook I noted that AWG #18 copper wire has a resistance of 0.0068 ohms per foot. At that point I cut a one foot length of some copper wire (approximately #18 or #16) from a spool in my junk box and started experimenting with the desired meter shunted with the wire and a reference 5 amp meter while I measured the load on a battery. I eventually ended up with about a 7-inch length of wire for a shunt and then had to make sure the meter range switch did not affect the calibration. That was interesting but required a bit more trimming.

The final feature was to use double pole switches for the 1.2 amp and larger loads and use the extra set of contacts to turn on a "Stans Fan" whenever the higher rate loads are enabled.

So will the meter shunt wire handle 9 amperes for any length of time without fusing open? That remains to be seen as #18 is a bit small for the job.

How will I use this load? The first application will be to develop a X2 shunt for the two-amp meter on my solar panel and then to provide a load for testing wall warts and batteries.

Total investment? Hard to say but I think it is somewhere between 50 cents and a dollar plus several hours of tinkering.

Tips,Tails & Tools

A tip about co-ax from Don Zank (AA9WP)

Technical Papers:

http://www.belden.com/03Products/03_TechReports.cfm

url and pdf on Coaxial cables:

<http://www.belden.com/pdfs/Techpprs/Coaxial%20Cables%20and%20Applications.pdf>

Amateur Radio Scholarship

The Foundation For Amateur Radio, Inc., a non-profit organization with headquarters in Washington, D.C., plans to administer fifty-six (56) scholarships, including the ORC scholarship, for the academic year 2007 – 2008

to assist licensed Radio Amateurs. The Foundation, composed of over seventy-five local area Amateur Radio Clubs, fully funds three of these scholarships. Eleven are funded with the income from grants. The remaining forty-two (42) are administered by the Foundation without cost to the various donors including the Ozaukee Radio Club. The scholarships range from \$500 to \$3000 with preference given in some cases based on residency or anticipated field of study.

Additional information and an application form may be requested by letter or QSL card postmarked prior to April 30, 2007 from:

FAR Scholarships
Post Office Box 831
Riverdale, MD 20738

Or download the application from:

Scholarships@Farweb.org

ORC Scholarship Fund Donation

As most of the membership will recall the ORC received a donation of \$1000 to the scholarship fund from the William Stark Jones Foundation.

William Stark Jones was a high school social studies teacher at Bay View High School in Milwaukee. As a community advocate and volunteer, he devoted himself and his resources to fostering the arts, promoting education, strengthening communities and helping young people to develop their talents and find their way in the world.

Upon his death in 2004, Bill created a foundation to carry on where he left off. It was the Trustees of the William Stark Jones Foundation, upon the recommendation of Peter Klode (N9GOZ), who awarded the \$1000 donation to the ORC Scholarship Fund. This donation is much appreciated by the ORC whose members will long remember the generosity of William Stark Jones.

Wanted, For Sale or Trade

I have a Kenwood TS-130 with dead TX audio, & I need an owner's manual or preferably a service manual to either purchase or copy. If any one could help me out: 262-377-1080 H or 414-339-0474 C. leonr@peoplepc.com Leon, K9GCF

Morning Mobilers

de Mic Yuhas, KC9GDV

Do you drive to work in the morning? Are you frustrated by traffic jams? Tired of the babble on broadcast radio? If you answered yes to any of these questions, why not change stations -- to W9CQO, 146.97 on your dial!

Each weekday morning you're likely to find at least another ham or two on the ORC repeater on the way to work. Topics of conversation range from tips to avoid traffic delay and the usual discussion about rigs, to chatter about snowblowing and gardening. In short, it's a klatch. Join us -- there's always room at the table!

Grafton Christmas Parade

By Jim Albrinck, K9QLP

For a late November date in Southeastern Wisconsin, a better day couldn't be found to conduct the Grafton Christmas Parade..



Joseph at the manger can't resist waving to his friends on this church float at the parade

Again the Ozaukee Radio Club was invited to participate and lend a hand to the Grafton Chamber of Commerce in organizing and conducting the parade

We went without a Command Post or Net Control station this year and used a Fixed Station Cross Band Repeater. Everything worked with nary a hitch and we learned a few things about working as a team of communicators. Coming out of retirement to lend an experienced hand was Tom Oehler, W9LNL.



What's a Christmas parade without Santa?

Tom's past experience came into play on a few occasions. Nels, WA9JOB; Tom, W9IPR; Tom, W9VBQ; and Gary, WI9M, covered the parade officials.



Some of the ORC parade communicators relax with a pizza and some good cheer following the parade.

Jim, K9QLP, coordinated all the hams and Ted, N9LLT, supplied the cross band repeater, shadowed a parade official, and proudly brought up the rear of the parade flying the ORC colors for all to see. Again the Chamber of Commerce was appreciative of the service the ORC provided and treated us to a pizza party after the event

Thanks to all who participated in this "fun" public service event.

Elections at Jan. Meeting

De Vic Shier, KB9UKE

Elections will be at the January 10th annual meeting. Your dues must be paid at that time to be entitled to vote. Under new business there will be an election for each position thus allowing for nominations from the floor. Nominations from the floor are welcomed. The Nominating Committee is composed of Vic Shier (KB9UKE), Kent Christiansen (N9WH) and Stan Kaplan (WB9RQR). As of this time the committee is nominating the following members as candidates for the 2007 Board:

Tom Ruhlmann (W9IPR)-President
Mike Yuhas (KC9GDV)-1st Vice President
Bill Howe (KA9WRL) – 2nd Vice President
John Schrader (W9NRG) – Repeater VP
Nels Harvey (WA9JOB) – Treasurer
Nancy Stecker (KC9FZK) - Secretary

Club Static

Cindy Douglas (KA9PZG) spent a few days recovering from some surgery at St. Mary's Hospital in November. Good to have you back on – the air Cindy.

Dues are Due

Dues are still \$15 and cover membership from January through December. You must be current in your dues to be eligible to vote at the January elections and on club issues throughout the year. There is a membership application form at the end of the newsletter. Please fill it out and return to our Treasurer, Tom Nawrot

(AA9XK). The data on the form aids us in determining programs and activities throughout the year. Also, this is a good place to express your interest in serving on specific committees and projects. Get involved and have some fun.

Band Changes by FCC

With publication in the Federal Register November 15, the long-awaited changes to the amateur rules are set to take effect 30 days later, at 12:01 AM EST December 15. The so-called "Omnibus" Amateur Radio proceeding, WT Docket 04-140, includes a significant expansion of the 75-meter phone band and a variety of other changes.

The highlights:

For Amateur Extra class licensees, the 75-meter phone band will start at 3600 kHz, while advanced class licensees start at 3700 kHz and Generals at 3800 kHz. The high end of the CW/RTTY/Digital band is now 3600 kHz (although CW is allowed on the entire band).

On 40 meters, Amateur Extra and Advanced licensees will be able to operate phone beginning at 7125 kHz, while Generals start at 7175 kHz. The top end of the CW/RTTY/Digital band will be 7125 kHz (although CW is allowed on the entire band). *

There are no changes to the 20-meter band. *

On 15 meters, the General class phone band now starts at 21275 kHz.

On 10 meters, Novice and Technician Plus licensees can now operate CW/RTTY/Digital from 28000 kHz to 28300 kHz.

In addition, Novices and Tech Plus licensees can use CW only on the same frequencies as General and Advanced licensees on the 80, 40 and 15 meter bands: 3525 kHz-3600 kHz; 7025 kHz-7125 kHz and 21025 kHz-21200 kHz.

The



Column

By Stan Kaplan (WB9RQR), Column Editor

MOBILE COMMUNICATIONS TRUCK (MCT)

UPDATE: Ray (N9PBY) and Stan continue work on the truck most Monday evenings. At the session on 13Nov, coax connectors were soldered on the three feed lines going up the ~50 foot mast, at both ends. At the top, one was connected to the rotatable 440MHz Yagi, and one to a dual band whip. The third was tape-wrapped against WX and left as a spare. In the cabin, all three were attached to the patch panel. Several connectors were changed from type N to SO-239, for consistency. A rig and GPS were mounted at the driver's station. The following session included labeling, labeling, labeling and hooking up the GPS/TNC/Rig and testing out the ability of APRS to monitor our movements on the road. It is coming along!

Rusty Kapela of the NWS will hold **SEVERE WX TRAINING** on 22 March at the Justice Center. Mark your calendars!

NEW OZARES MANUALS were updated at the last meeting. A few typos and some new members were added, as well as some rewrites of certain pages. You must attend a meeting to get the manual or the updates, so be sure to attend.

CONTINUING EDUCATION: Thought you'd like to know. The following OZARES members are **CERT** certified:

Skip Douglas, KA9DDN *These folks
Nancy Stecker, KC9FZK are also
Tom Ruhlmann, W9IPR CERT
Mike Matthies, WJ9O Instructors
Cindy Douglas, KA9PZG
*Jon Gilmore, KB9RHZ
*Stan Kaplan, WB9RQR
Bill Stolte, N9VBJ
Gene Szudowitz, KB9VJP
Kent Christiansen, N9WH

The following OZARES members have completed the **ARRL EmCom I, II or III** courses, as noted:

Tom Ruhlmann, W9IPR I

Jon Gilmore KB9RHZ I, II, III
Stan Kaplan WB9RQR I, II, III*
Jack Morrison N9SFG I, II, III*
David Barrow, N9UNR I
Tom Murtaugh, W9VBQ I, II
Kent Christiansen, N9WH I

(*Stan and Jack are on-line mentors; Stan is the Mentor Certification Manager for the entire ARRL EmCom program in the USA).

The following OZARES members have completed **FEMA** courses as noted:

IS-100 (NIMS)

Skip Douglas, KA9DDN
Nancy Stecker, KC9FZK
Leon Rediske, K9GCF
Mike Yuhas, KC9GDV
Mike Matthies, WJ9O
Cindy Douglas, KA9PZG
Jon Gilmore, KB9RHZ
Stan Kaplan, WB9RQR
Jack Morrison, N9SFG
Ray Weber, N9SQA
Ray Totzke, W9KHH
Dave Barrow, N9UNR
Bill Stolte, N9VBJ
Tom Nawrot, AA9XK

IS-700 (NIMS)

Nancy Stecker, KC9FZK
Stan Kaplan, WB9RQR
Jon Gilmore, KB9RHZ
Ed Siegworth, AA9GT
Kent Christiansen, N9WH

NET CONTROL SCHEDULE: OZARES nets are held each Thursday at 8:00 p.m., David Barrow, N9UNR except on meeting nights (4th Thursdays). Kent Christiansen, N9WH. Both a net script and check-in list can be obtained on the OZARES web site, www.ozares.org. If you are scheduled for NCO duty and cannot make it, it is your responsibility to find a substitute. Check the complete schedule on the web site for possible hams to trade dates with. Guests

are welcome after the OZARES check-ins are complete, especially ORC members!

07 Dec K9VIN
14 Dec KB9VHP
21 Dec AA9W
28 Dec Season's Greetings! No net.
04 Jan KA9DDN
11 Jan K9DXT
18 Jan KC9FZK
25 Jan Meeting
01 Feb N9WH
08 Feb KC9GDV
15 Feb KC9GSS
22 Feb Meeting

ORC Meeting – Nov. 8, 2006

De Nancy Stecker, KC9FZK

There was no mentoring session before this meeting.

President Tom Ruhlmann (W9IPR) called the meeting to order at 7:34 p.m. Members and guests introduced themselves.

Announcements, etc: Ray (W9KHH) exhibited an unusually beautiful plaque sent to him by the ARRL for 50 years as a member, beginning in 1954. Ted (N9LLT) reported on work he and other members and non-members helped with in installing a 6-element beam. Stan (WB9RQR) exhibited the discone 2-meter antenna that he documented in the last newsletter.

PROGRAM: D-Star, by Mark Thompson (WB9QZB). Mark, a Chicago resident, traveled to our meeting to report on this exciting new technology, which has applications in both the hobby aspect of ham radio and in our emergency communications programs. This totally new protocol permits digital voice and data communications between capable radios. ICOM currently makes such radios, and other manufacturers are expected to make them in the future. The protocol, published in 2001 after several years of research funded by the Japanese government, is similar to having both a 1200 bps packet link and FM radio operating simultaneously on the same radio on the same channel. It can operate simplex, or through repeaters. If an Internet link exists at a repeater, access to the Internet is available to the end user's radio (mobile, HT or fixed). If a GPS is attached to the end-user's radio, both ID and global position are transmitted automatically, at the instant

the transmit button is pressed. There is no need for a voice ID, or for the user to transmit where he is. Mark gave an interesting and illuminating presentation, which ended at 9:00 p.m.

Fellowship Break: During the break, those present helped themselves to the many handouts on D-Star that Mark had brought. The 50-50 raffle winner was selected – Jon (KB9RHZ). He won \$17.50, and an identical amount went to the ORC Scholarship Fund.

Auction: Stan (WB9RQR) held an auction of donated equipment, including the discone described in the last newsletter. \$42 was collected, half of which went to the ORC Scholarship Fund and half to OZARES.

BUSINESS MEETING

A motion was made (Ted, N9LLT) and seconded (Terry, KA9RFM) to approve the **Minutes** of the October meeting as printed in the ORC Newsletter. The motion passed.

A motion was made (Stan, WB9RQR) and seconded (Kent, N9WH) to accept the **Treasurer's report**, printed copies of which were supplied to each table. The motion passed.

Repeater Report: Nels (WA9JOB) stated the machines are working fine.

OZARES Report: Jon (KB9RHZ) reported that OZARES will meet in a combined Nov-Dec meeting on 30 Nov. New OZARES ID cards will be distributed. New manuals were distributed at the last meeting. Stan (WB9RQR) reported on work that had been accomplished on the new Mobile Communications Truck.

Committee Reports: Mark (AB9CD) outlined possible topics for future **Elmer sessions**.

Bill (KA9WRL) reported on **JOTA**, held 20-21 Oct at Horicon, which was very successful. Several of our members participated with Bill: Leon (K9GCF), Jim (KA4UPW), Gregg (WD9DHI).

Jim (K9QLP) reported on **Public Service** activities. We will be providing communications for the **Grafton Christmas Parade** on 25 Nov. He has eight ORC volunteers on the list to work the parade, and needs one more. If interested, contact Jim. Communications will be by VHF portables, simplex mode.

Ed Rate (AA9W) reported on the status of the **Scholarship Fund**. We are approaching our goal of \$20,000 – which will make the fund self-sustaining for a yearly \$1,000 scholarship. Ed asked that we think about alternatives for new income for the fund, such as a projector for programs at meetings, D-Star equipment for repeaters, and the like. We will discuss various options at the next meeting, after which the Board of Directors will make a decision based on discussion by the membership.

Uniform Committee: Ed (AA9WW) reported on price ranges for caps (from \$5/6 to \$10/12) and jackets (\$50 and up). Some additional one-time costs will be involved with digitizing artwork – jacket small logos around \$50 and large logos (covering the back of the jacket) at up to \$150. Printing a logo on a single jacket will run from \$15 to \$20 each. After some discussion, it was decided that the committee would come up with a standard (style(s), color, type of logo, etc.), and we will then proceed from there for those who wish to purchase.

Nominating Committee: President Ruhlmann gave a short report in the absence of Vic (KB9UKE), Nominating Committee Chairman. Vic is working to identify candidates, especially for those few current officers who do not wish to run again. Vic will present a complete report at the next meeting.

Attendance: 35 members and 2 guests were in attendance:

Ron W9BCK, Ray W9BUJ, Mark AB9CD, Bernie AA9CI, Gregg WD9DHI, Mike KC9GDV, Naomi KC9GSS, Mark KC9GST, Jonathan KC9HPG (Guest), Nels WA9JOB, Ray W9KHH, Tom W9LNL, Chuck WA9POU, John W9NRG, Tom W9VBQ, Bob W9LO, Ted N9LLT, Jim K9QLP, Terry KA9RFM, Jon KB9RHZ, Stan WB9RQR, Jack N9SFG (Guest), Dan WB9TYT, Dave N9UNR, Gary N9UUR, Herb WA9UVK, Roger W9UVV, Don W9VSC, Jeananne N9VSV, Ed AA9W, Julia KB9WBQ, Kent N9WH, Bill KA9WRL, Ed AA9WW, Tom AA9XK, Gary W9XT, Jerry KB9ZOW.

Adjournment: Kent (N9WH) moved to adjourn, second by Jon (KB9RHZ). The motion passed and the meeting was adjourned at 10:06 p.m.

- by Stan Kaplan (WB9RQR), in the absence of Nancy Stecker (KC9FZK), Secretary

Ozaukee Radio Club, Inc

2007 Membership Application/Renewal Form

Call Sign _____ Year first licensed _____ Age _____

Novice No-Code Tech Tech Plus General Advanced Extra

Name: _____ ARRL Member? Yes No

Address: _____

City: _____ State: _____ Zip: _____

Phone No. (day) _____ (evening) _____

E-Mail _____ (if you want to be listed on ORC Web page)

Do you want to be placed on the ORC "remailer" to get group email's Yes No

Areas of interest:

HF UHF-VHF Construction Projects Antenna Computers Satellites APRS CW
 SSB AM FM Digital Modes Portable Mobil Fixed Fox Hunt Ground
Systems Software QRP Contesting ARES Community Service Collections
 WAS & DXCC Boat Anchors Linears Newsletter "Elmer'ing" Presenting Programs
 Photography Club Management Community Service Test Equipment Equipment
Repair & Restoration Surfing the net

Regular Membership - \$15.00

Family Membership – No Dues

Make check payable to:

Ozaukee Radio Club c/o Tom Nawrot (AA9XK)

10335 North Grasslyn Road, Mequon, WI 53092

The newsletter is available at www.ozaukeeradioclub.org (web site version encouraged)

Do you require a hard copy through the snail mail? Yes No

Spouse's Name: _____ & call sign: _____

Comments: _____

AGENDA

December 13th, 2006

Elmering Session – keys, paddles & code oscillators

1. Call to order – Tom (W9IPR)
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 – Tom (AA9XK).
9. Repeater report – Nels (WA9JOB)
10. OZARES report – Jon (KB9RHZ).
11. Committee reports.
 - Uniform-
 - Name Tag-
 - Scholarship -
 - Membership –
 - Youth Program –
 - Post Everything Party -
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, December 13th

7:30 PM