



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 XXV

March 2006

Number 3

The Prez Sez

By Tom Ruhlmann (W9IPR))

You would think with the weather during the month of February that I would get a lot of “hamming” done. Not so, I ended up in the garage shop restoring a barrel chair. It was in need of several spindles in addition to other things. It required that I finally learn to use the lathe I restored 20 years ago. In any event, most of the month was in the wood shop rather than in the ham shack.

However, I did go to a committee meeting at Mike Yuhas’s home. The meeting concerned helping the area Boy Scout Council youth earn their radio merit badge. It was a great turnout and well organized. Tim Boppre (KA9EAK) had laid out the training schedule and prepared three PowerPoint presentations. Six of the committee members were assigned to present selected material while three others are going to have operating HF and VHF stations in place to demonstrate ham radio in action. The session is to be conducted at the Jackson Town Hall on March 18th and as many as 50 or more scouts are expected. Should be a really great introduction to ham radio for these kids and will perhaps result in getting some of them interested in earning a Technician Class license.

Mike and Tim are doing a really great job on this project and I think both the boys and the ORC will benefit.

It is important that we interest our youth in ham radio. Ham radio has started many of our members down a technical career path and it has provided a truly enjoyable and beneficial hobby for all our members.



At the committee meeting were Tim (KA9EAK), Ed (AA9WW), Kent (N9WH), Paul Ripple (W9SIZ), Mark (AB9CD), Dirk Drews (KB9SGV), Ted (KB9RLI), Tom Murtaugh (W9VBQ), Mike KC9GDV and Tom (W9IPR).

Has it occurred to you that we have no local members who are age eligible for the scholarship we award each year?



Mike knows how to get the committee’s attention – feed them pizza – cut in pie shapes.

Without new members, what happens to the ORC? Without young "hams", what happens to the hobby and the public services its members provide? Rather than just think about it perhaps we need to do something about it. Mike and Tim are!

I noted that Ed Rate (AA9W) received some really nice equipment donations to the Scholarship Fund in February. While he will be placing most of the items on e-Bay, members have first shot at it. Go to

<http://myexecpc.com/~edrate/SCHOLARSELL.doc>

for a list of items available and their estimated value. Contact Ed if you are interested in anything. All proceeds go to the Scholarship Fund.

I did listen in on the 160-meter SSB contest this past weekend in that I would like to earn the Worked All States (WAS) award on that band. While I did listen for a few hours it was mostly local and the only new state I contacted was NJ. Still looking for CT, UT, RI and HW. I sure will be glad as we pass through this sunspot minimum in 2006 and the HF DX improves with increasing sunspot activity. Guess the other option is to use PSK-31 or CW, which are great weak signal modes.

That's about it for now. I am really looking forward to the Elmering session prior to the meeting and the program on WinLink 2000 by Jim Darrow (KB9MMC). See you at the meeting.

Lot's is happening. Get involved and have some fun.

73's - Tom

WISCONSIN QSO PARTY

De Bob Truscott (W9LO)

March 12, 2006, starting at 12:00 Noon local time, and ending at 7:00 PM. Phone and CW, all bands, 80 through 2 meters (Except for the WARC bands). Work any station once in each mode on each band, and mobiles as often as they move to a new county. Rules in March QST, page 98, or at www.warac.org.

This is a contest that we can win if we put our minds to it. We did quite well last year, placing forth in the club competition, with 3 members in the top 10 in the single operator-fixed class.

Forth is respectable, considering that only 8 members submitted logs, but we can do much better. I believe we could seriously challenge for first place if, say, 20 members who did not submit logs last year would get into the contest for a couple of hours, and work perhaps 50 (or more) stations each. This is doable, even without contest software. Paper logging is acceptable. And of course, those of us who did submit logs must try to increase our individual scores by whatever means we can, be it by improving our operating techniques or by spending more time on the air. If you worked 2 hours last year, make it 4 or 5 this year. And how about having 4 or 5 operators in the top 10 instead of 3. Wouldn't that be nice?

Good luck in the contest.

Coming up in March:

Mar. 4 - 5 ARRL International DX Contest—Phone—Rules in Dec, 2005 QST or www.arrl.org/contests.

Mar. 12 Wisconsin QSO Party (See above)

Mar. 11 (Local Time) North American RTTY Sprint—Rules in March QST, page 98 or www.ncjweb.com

Mar. 25-26 CQ WW WPX Contest—SSB—Rules in Mar. QST, page 99 or www.cqwp.com

Have fun contesting.

Bob, W9LO

“K1” Final Assembly & Test

De: Don Zank (AA9WP)



The very small dual band QRP HF Elecraft K1 Transceiver as being built by member Don Zank (AA9WP)

Well the February NAQCC Sprint contest has come and gone but this rig was still in the building process. However, the contest was scheduled for the evening of February 14th, Valentines Day, my wife's favorite holiday, which means, because I know what is good for me, I would not have been a participant in any case.

But there is nothing like temperatures at five degrees with a twenty below wind chill factor to get one back to the workbench and the warmth of the soldering iron.

Starting on that very cold weekend and into the next week of February, kit building has been a very busy and productive period of time.

The first part of the RF board was completed and power applied. I am glad to report that all of the components are still in one piece with their smoke still safely tucked inside.

The next section of the RF board required the addition of a few more toroids and some hardware to mount the side panels to the boards. All of a sudden it starts to look like a completed rig.

Finally, the Alignment and Test, Part 1 section is arrived at; this is the part of the manual that was reviewed first before all the other sections. Power is applied again and the Power button pushed: listen for a relay click, see the two LED's on the front panel flash and then the display shows an error code, E27. The error code indicates that the filter board is not installed, which is good because it has not been installed. And then a big sigh of relief. Clearing the E27 error code brings the missing VFO error code

E42, which is fine as well because the VFO has not been assembled at this point.

A key is connected to the drive and the side tone generator and audio amplifier sections adjusted and tested. The LCD display will, with a few pushes of the Display button, show the power supply voltage.

Finally the keyer section is tested for proper operation by increasing or decreasing code speed with the WPM plus and minus buttons.

The VFO section is completed next by with the addition of one capacitor and the winding and installation of the L1 toroid. Now we are getting somewhere.

The Filter board is installed and adjustments are made to get the VFO within the correct frequency range by adjusting the spacing on the L1 coil.

Next, with the antenna connected, the receiver section is aligned and the sweet sounds of CW are heard in the headphones!

At this point it becomes difficult to put down the soldering iron and stop building. The RF section is the final part to be assembled and tested. A bifilar coil is one unique component in the RF section. Basically two wires are wound together, with a twist about every .5 inches, and then five turns of the combined wires are wound on the last toroid. The core will have four leads, two red and two green that need to be soldered into the board.

After a few ohmmeter checks and a good visual check (I used a magnifying glass to double-check all solder connections) are made the Alignment and Test, Part II is the next step.

The power output section is tested and aligned, working into a dummy load of course, and another sigh of relief as 5 watts of output is obtained on both bands.

Mount the speaker, wire it into the plug, button up the case and another Elecraft K-1 transceiver is on the air.

But now to figure out the menus and functions that are supplied with this rig. It has more adjustments, options and functions than all of my other rigs combined. Just some of the functions

include three filters, RIT/XIT, QSK delay, side-tone volume and pitch, AGC, and two pre-recorded messages. It is amazing what comes in a small package.

So how does it work? Well in March, there is the Wisconsin QSO Party on March 12th and another NAQCC Sprint on the evening of March 15th. I will let you know next month how it performed.

Post Everything Party

It's hard to believe we are at the end of February already. That means we are only 11 DAYS AWAY from the annual Ozaukee Radio Club Post Everything Party!!! We have a good group but the committee is expecting YOU too if you haven't sent your reservation yet. There are plenty of opportunities to make your reservation yet. The most direct way is to send in your \$16.00 per person to the address at the bottom. Mike Yuhas has all the party details posted on our website at <http://ozaukeeradioclub.org/2006pep.pdf> and at

<http://ozaukeeradioclub.org/pepreservation.php> is the reservation form ... After making your reservation though, send your \$16.00 per person to the address at the bottom ... time is running out We will also be at breakfast at the Prime Minister on Saturday and will designate someone at the 'north side' breakfast site to take your reservation also LAST CHANCE to reserve your spot will be to pay at the meeting on March 8th. However, the committee asks that you don't wait till the very last minute because we need to give the caterers a final count so they can plan the food and so we can get the tables set up for you. Remember we are in GRAFTON this year - a new location. Rose Harms American Legion Hall - 1540 13th Avenue . Call us if you need direction or have any other question (262) 242-1029. We are looking forward to having the best turnout every!!! See you at the Post Everything Party !!!!!!!

Programs

Gary Sutcliffe (W9XT) gave a great program at the February meeting where he discussed his meteor scatter and moon bounce contacts and the unique software by WSJT that he utilized.



Gary (W9XT) demonstrating the WSJT software used in meteor scatter and moon bounce contacts.

At the March 8th meeting, Jim Darrow (KB9MMC) will be visiting us and giving a program about WinLink 2000. Don't miss it – it's a chance to learn something new about how to work the world on 2 meters.

Elmering

Starting at 18:30, just prior to the meeting there will be an "Elmering" session in the kitchen area. While all ham related questions will be entertained, Mark Teller (AB9CD) will have an oscilloscope there for demonstration and to get the questions flowing. Don't miss this opportunity to ask or answer a few questions.

Upcoming Events

March

- 4th ARRL International Phone DX Contest
- 8th **Membership Meeting**
- 11th **Post Everything Party**
- 11th North American RTTY Sprint
- 12th Wisconsin QSO Party
- 18th **BSA Radio Merit Badge @ Jackson**
- 19th TriCounty ARC Hamfest @ Fort Atkinson
- 25th CQ WW WPX Contest - SSB
- 31st **AES Superfest**

April

- 1st **AES Superfest**
- 12th **Membership Meeting**
Grayslake Swapfest
- 22nd Madison Swapfest @ Stoughton

May

- 2nd **Board Meeting**
- 5th **Opportunity Day @ Parkview School**
- 6th **ORC Swapfest at Circle B**
- 10th **Membership Meeting**
- 19th-21nd Dayton Hamvention

Club Static

The Railroad Net meets on Monday evenings at 8 PM on the 442.100 K9QLP Repeater. Mike Yuhas is usually the "Conductor".

Good to hear Steve Stevens, K9DXT, back on 2 meters after his spending the month of January in the hospital.

Recently I checked out 3 videos from the Cedarburg library. The "CQ Ham Radio Horizons" (6.21.3841, H35h video is long (50 minutes) but it is really quite good. I recommend it if you are trying to show someone what "hamming" is all about and get them interested in earning a license.

"Ham Class" (621.3841, H198) by Gordon West is good if you are preparing a class for teaching a license class.

"Ham it Up" (621.3 8416, N739) is a 90 minute presentation preparing you for taking a Technician Class license. It provides a reasonable review of selected material but the "King" series is much more complete and would be a better teaching video.

Guess what, I noted that all three videos as well as many other "ham" materials were donated by our own Dave Barrow, N9UNR.

Elmer (uses EI) Spencer (W8VHF) writes about a 2 meter AM net on wed nights at 8:00 PM EST on 144.260. He said if you e-mail him w8vhf@t-one.net he will turn his beam this way.

Wow! Dick Scarvaci (K9CAN) made 314 CW QSO's with 80 countries on 20 M in the International CW DX contest. Almost DXCC in a day. Guess CW does have some advantages.

DAYTON – Here we come

De Nels (WA9JOB)

As many of you know, for the last several years I have setup rooms in Richmond, Indiana, thanks to my friend, Cliff Bade, W8CJB, for the Dayton Hamvention weekend. This is reasonably close to the Hamvention, and we are somewhat removed from the crowded restaurants and higher prices in the Dayton area.

The names for rooms that I have on my list so far are: Myself, WA9JOB; Ed Rate, AA9W; Gabe Chido, WI9GC; Bev and Ernie Swanson, K9LO; Tom Ruhlmann, W9IPR & Ed Frac, AA9WW; Ted Schweitzer, KB9RLI; Gene Szudrowitz, KB9VJP; Jim Hilins, KA4UPW (Wants to share room if possible); Possibly Rex Nielson, W9CRQ and Ray Burnette, W9BUJ.

If you aren't on the list and want to join us, I need to know very soon after the March 8th meeting! 73, Nels (WA9JOB)...

The



Column

By Stan Kaplan (WB9RQR), Editor

ORC President Tom Ruhlmann (W9IPR) had a great idea. He noted that: 1. Almost every OZARES member is also an ORC member. 2.

That the ORC actually give birth to OZARES back in 1990. 3. That the two groups have given full support to each other over the years and to the present. 4. That there has been and continues to exist a robust spirit of cooperation between the two groups.

Thus, he reasoned that there is a very strong co-interest in the activities of one group by the other. As an example, did you know that there is an agreement between the ORC and OZARES to fully share use of each group's repeater? Members of one organization are encouraged to use the other repeater on a routine basis, for normal day-to-day ham communications (except, of course, during real emergencies, when the OZARES repeater is for members use only). Moreover, if the .97 repeater should go down, the .33 repeater is at the service of the ORC, and vice versa. What a wonderful arrangement! It is like each group having two repeaters!

So Tom reasoned that because of the strong co-interest and continued healthy cooperation between the two groups, why not put OZARES news in the ORC Newsletter so that ORC members could be kept up to date with happenings in its daughter organization?

Thus, this column heralds the start of just that. Look for it each month, edited by Stan at the request of Emergency Coordinator (head of OZARES) Jon Gilmore, KB9RHZ. Besides the usual news and announcements for OZARES members, we will try to include information that will be of interest to ORC members at large.

NET CONTROL SCHEDULE

OZARES nets are held each Thursday at 8:00 p.m., except on meeting nights. 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.

03 Mar: AA9W
10 Mar: KB9WBQ
17 Mar: N9WH
24 Mar: *Meeting*
31 Mar: N9SFJ

SEVERE WEATHER TRAINING – 23 MAR

Rusty Kapella of the National Weather Service (NWS) will be presenting Training for Spotters in the Emergency Management suite, basement of the Justice Center, at 6:30 p.m. The purpose is to prepare police, fire and other public service professionals, and *hams*, on how to recognize and report severe WX (weather). The NWS now accepts reports only from trained spotters. Indeed, most severe weather warnings currently result from trained spotter reports. According to Rusty, it takes attendance at about five years of these training sessions to become competent. Many OZARES hams are now trained spotters and we activate a net anytime there is a strong possibility that Ozaukee County will experience severe WX. ORC members are definitely invited to hone their skills along with OZARES members for this important public service activity. If you are interested in attending, contact Emergency Management (262-284-8397) to reserve a spot for the 23 March session.

EMERGENCY ANTENNAS

Preparations are underway for the Southeastern Wisconsin Mass Immunization Program. For ORC member's information, there are plans to immunize *every resident of Ozaukee County* in the event of an outbreak of anthrax or other dangerous infectious disease. There will be a major Public Health exercise for this program coming up this fall. Jack Morrison (N9SFG) has been busy designating 2m/440 radios and associated accessories for deployment to various field sites for the exercise (or the real thing!). Antennas are needed since we have only three spares on hand. Skip Douglas (KA9DDN) and Stan Kaplan (WB9RQR) have volunteered to test the PVC-enclosed spares (already done) and to build another 10 rollup emergency antennas for deployment. Lets hope we never need them for real.

CERT

Jon Gilmore, Stan Kaplan, Nancy Stecker, Kent Christiansen, Gene & Carol Szudrowitz, Skip & Cindy Douglas, Tom Ruhlmann, and Dale Matthies from the ORC have all completed the Civilian Emergency Response Team training. It is a great program through which you can learn the basics of what to do in a home, neighborhood or community emergency. It is a two-day training program. Call Jack Morrisson at the Emergency

Government Center at the Justice Center if interested.

February 18 & 19, March 18 & 19 and May 12 & 13

Jack Morrison
Ozaukee Emergency Management
(262) 238 8396
(262) 284 8396

Minutes—Feb 9th, 2005

De Nancy Stecker, KC9FZK

President Tom Ruhlmann (W9IPR) called the meeting to order at 7:30 P.M. Introductions of members and guests followed.

Bragging Rights: Paul Schumacher (KD9FM) made a contact in Germany using PSK31. George Steber (WB9LVI) has been featured in a cover article in QST magazine. Jane Rediske (KB9SYI) has been working Echo Link. Bill Howe (KA9WRL) has been working Slow Scan on 4 watts reaching all over the United States. Gary Sutcliffe (W9XT) writes a monthly column for a National Contesting magazine.

Program: Contesting Software by Gary Sutcliffe (W9XT)

Gary's program consisted of an audio and visual presentation of the different software programs hams use for contesting using VHF weak signal meteor scatter and moon bounce work. He talked about which digital modes are available, how to use them and encouraged everyone, even no-code technicians, to try the WSJT software.

Fellowship Break: The members enjoyed desserts provided by members.

Auction: Stan Kaplan (WB9RQR) conducted an auction of donated material.

Business Meeting: A motion was made and seconded to accept the minutes as printed in the ORC Newsletter, motion passed.

A motion was made and seconded to accept the Treasurer's report as presented to the membership at the meeting, motion passed.

Repeater Report: Nels Harvey (WA9JOB), the Repeater Vice-president, said the 146.97 MHz repeater is quiet, the 440 MHz repeater is work-

ing well, and the 220 MHz repeater is operating nicely. Use them.

OZARES Report: Jon Gilmore (KB9RHZ) said the February 23 meeting will include the election of a board member, the March 23 meeting will host Rusty Kapella and the April 27 meeting have the second half of traffic control training. The American Red Cross will present a Sheltering Workshop the morning of March 23, 2006. Volunteers will be needed this fall to assist in a major public health exercise.

Committee Reports:

PEP Committee: Paul Schumacher (KD9FM) said to check the web site for details of the Post Everything Party to be held on March 11, 2006. Cost is \$16 per person. Sign up soon.

Public Relations Committee: Mark Potash (KC9GST) asked for someone to review a mailing list of hams that reside in the area. Stan (WB9RQR) volunteered his services. Mark had sent out postcards inviting hams to our meetings.

Youth Committee: Earlier in the evening, Mike Yuhas (KC9GDV) made an appeal for a few members to assist at a Boy Scout Merit Badge workshop on Saturday, March 18, 2006. You can reach him at his website: KC9GDV@KC9GDV.

Field Day Committee: Stan Kaplan (WB9RQR) said the computers are ready for use at Field Day. They have windows 2000 Professional installed and are network-ready.

Old Business: None

New Business: Tom W9IPR had provided copies of the ORC budget for the coming year. The board had accepted the budget with the provision that the scholarship budget be separate from the operating budget. Some items in the 2006 budget were adjusted to meet the projected income. The chair entertained a motion to accept the budget. The motion was made, seconded, and passed.

Kent Christiansen (N9WH) reported the audit committee met on January 21. After reviewing bank statements and verifying expenditures, the Ozaukee Radio Club Treasurer's report dated December 31, 2005 was found to be in good order.

Anyone interested in attending Dayton the third weekend in May should contact Nels (WA9JOB). He is arranging motel reservations.

Attending: Carol KC9CBC, Jane KB9SYI, Bob N9NRK, Terry KA9RFM, Nels WA9JOB, Ron W9BCK, Bob W9LO, Dean K3GGN, Don AA9WP, Jeff WB9PZD, Mark AB9CD, Ed AA9WW, Ray W9KHH, Bernie AA9CI, Jim K9QLP, Gene KB9VJP, Bob KA9VAR, Chuck WA9POU, Dave N9UNR, Ted KB9RLI, Kent N9WH, Muhammad KC9CPC, Jon KB9RHZ, Stan WB9RQR, Mike KC9GDV, Mark KC9GST, Gary W9XT, Ted N9LLT, Julia KB9WBQ, Nancy KC9FZK, Tom AA9XK, Paul KD9FM, Cindy KA9PZG, Naomi KC9GSS, Tom W9IPR and guests Bill KA9WRL, Tom W9VBQ, Bill AB9KD, Paul KB9WCC, George WB9LVI.

Meeting Adjourned at 9:25 P.M.
Nancy Stecker (KC9FZK) Secretary

AGENDA

March 8th, 2006

1. Call to order – Tom (W9IPR)
2. Introductions.
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
4. Program: WinLink 2000 – Jim Darrow (KB9MMC)
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.
 - Membership –
 - Public Relations –
 - Youth Program – BSA Merit Badge Project
 - Swapfest -
 - Field Day -
12. OLD BUSINESS
13. NEW BUSINESS
14. Adjournment to ?

Return undeliverable copies to

The ORC Newsletter

Tom Ruhlmann, W9IPR
465 Beechwood Drive
Cedarburg WI* 53012

First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton

Wednesday, March 8th

Elmering at 6:30 PM

Meeting @7:30 PM