



# 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](http://www.ozaukeeradioclub.org)

Volume XXVII

April 2008

Number 4

## From the ORC President

By Mike Yuhas (W9ON)

### The Amateur Radio Service

As I sat in the National Weather Service storm spotter class the other day, a couple of thoughts crossed my mind.

First, a goodly number of those in attendance were hams.

Second, I pondered what motivated the hams to be there in the first place. The answer, quite obviously, is a desire to serve.

I then started thinking about the service aspect of amateur radio. Yes, we all like to get on the radio and ragchew with old and new friends around the neighborhood and around the world. We all like to chatter about our radios, our antennas, our families, our health, and our latest project. But *service* is where hams really shine: whether participating in a weather emergency net, providing communications for a parade or bicycle ride, or just maintaining situational awareness by monitoring a radio band... we do it, and don't ask a cent in return.

Many ORC members actively serve the greater good through their involvement in amateur radio. I'm proud to be associated with a group that makes service to others a priority. To those hams, amateur radio is way more than a hobby.

Incidentally, do you know how many times the word "hobby" appears in Part 97? Zero. The FCC calls our little fraternity the Amateur Radio Service. It's a pretty good reflection of what we're capable of doing.

Please be sure to join us at our next membership meeting, coming up on Wednesday, April 9, at the Grafton Senior Center. Chris Tarr (W9JOL) will share with us the latest developments in digital broadcast radio. Chris is enthusiastic about presenting to our group. It should be an interesting, entertaining program. See you then!

## WI QSO PARTY REPORT

De Bob Truscott (W9LO)

Well, the party's over. It was fun but it would appear that we were soundly beaten in the club competition by the folks in Fond du Lac. Last year we won it by entering 20 logs. This year we had 15, and our score reflected that. We haven't heard from a few of the stations we thought would be operating, but as of today our reported score is about 300,000, while the Fond du Lac people told me they had something over 500,000. These numbers are not official but I'm sure they are pretty close. So congratulations to our friends to the north for their fine showing in the Q party.

Having said these things, let me add that we didn't do too badly considering the number of club participants and the tough band conditions. The 40 meter skip was too long throughout the contest, and did not produce many in-state contacts. This made it especially tough for Tom, W9VBQ, and me because we each operated QRP. We did well on 80, but one usable band just isn't enough for QRP. Tom was able to improve his score relative to last year, but I was not—mine fell off considerably. I should have stuck with my original plan which was to start out with QRP on 40, and crank up the power if the skip went long too soon. But I didn't—dumb, dumb, dumb. It cost me a six-pack of Samuel

Adams to W9XT. ( But what the heck, I would have lost that bet regardless of band conditions.)

Here are the reported scores:

W9XT	96,600
W9LO	47,040
W9VBQ	38,048
WI9M	21,239
K9QLP	16,673
W9IPR	15,281
KC9DKQ	11,286
KY9P	4,935
N9KG	4,855
K0GCF	3,510 Mobile FL
W9KHH	2,924
KC9FM	1,134
AA9W	1,626
N9ZF	247
AB9CD	6

Thanks to all who participated. JUST WAIT TILL NEXT YEAR!!!!!!

Bob, W9LO

## Condolences

Our condolences to:

Terry Koller (KA9RFM) of Mequon who lost his wife Judy to cancer in February.

Walter Stasiowski (KA9KFR) of Port Washington, who lost his wife Marilyn.

Fred Helmstetter lost his father.

Skip Douglas lost his stepmother.

## Post Everything Party & 2007 Awards

A really great time was had by all at the traditional Post Everything Party March 8<sup>th</sup> at the Grafton American Legion Hall.



Bill Howe (KA9WRL) and Vic Shier (KB9UKE) provided before and after dinner entertainment and were later joined by Chairman Paul Schumacher for the vocals.



Nancy Stecker (KC9FZK) was presented a certificate of appreciation by Past President Tom (W9IPR) for her service as Secretary on ORC Board these past three years. Later in the program it was learned that Nancy was also voted by the membership "Turkey" of 2007 and she received that "good 'ol boy – er girl" award as well.



Bob Truscott (W9LO) was recognized as “Operator of the Year 2007” for his leadership in the ORC winning the 2007 Wisconsin QSO Party Contest sponsored by the West Allis club.



Tom Nawrot (AA9XK) and Paul Schumacher (KD9FM) received the “Club Project of 2007” award for their leadership of the new “Lighthouse Activation” project and ORC winning 3<sup>rd</sup> place in that national contest.



Cindy Douglas (KA9PZG) was given the ORC 2007 Community Service Award recognizing her leadership and participation in such activities as the Saukville Historical Society, OZARES, River Clean-up, MS Walk and Grafton Christmas Parade.

Other members recognized at the PEP included the following:

Tom Murtaugh (W9VBQ) was presented the “Radio Art Advancement” award for his persistent pursuit of QRP (low power below 10 watts) contacts and techniques.



**A really great time was had by all as evidenced by this group of ORC’ers following the “cleaning of the shack” gift exchange.**

Jon Gilmore (KB9RHZ) was presented the “Communications and Technical Skills Advancement” award for his leadership and encouragement of members to continually improve their emergency communications skills and capabilities through OZARES.

Doug Burghardt (N9KG) was presented the “Technical Project of 2007” award for his original design, programming and development of field day network logging software that is suitable for CW operators as well as SSB operators.

Tom Ruhlmann (W9IPR) received the "HAM of the Year" award as voted by the membership.

At the membership meeting of March 12<sup>th</sup> there were additional members recognized for the contribution during 2007. These included:

Gary Sutcliffe (W9XT) was recognized with the "International Goodwill" award for his success in contacting all 337 ARRL international entities and his contributions to the DX'ers magazine, National Contest Journal.

Mark Tellier (AB9CD) was recognized as "Trainer of the Year" for his leadership of the Elmering program and organization of FCC license training classes.

Mark Potash (KC9GST) was recognized with the "Club Service Award" for his leadership and donation of time and effort in the redesign and fabrication of the ORC "tower trailer".

Awards to be made at upcoming meetings include the "Committee of 2007", "Contester of 2007", "Meeting Program of 2007" and the "Presidents Award" but the awardee must be present to receive the award.



Again this year, Chairman Paul Schumacher and wife Barbara organized a great Post Everything Party. Thanks for the good time.

## Mentor Session

De Mark Tellier, AB8CD

The pre-meeting mentor session group has decided to build the TenTec 1056 Direct Conversion Receiver. We hope to have a manual for the project at the meeting to review. We will take orders through meeting night and the kits will be ordered the next day. Kit building will begin at (or before) the May meeting.

## Extra Class Study Sessions

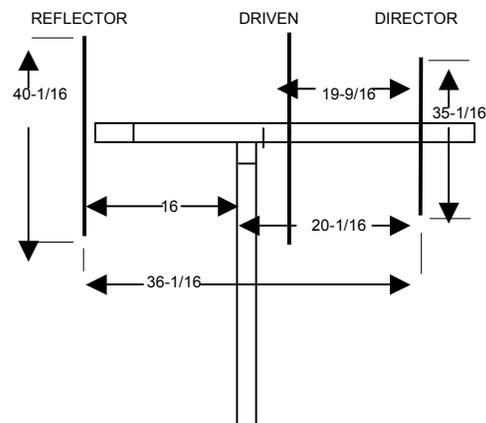
De Mark Tellier, AB8CD

It appears we will be unable to offer study sessions for the Extra Class exam. We were unable to get a minimum of three mentors for any of the proposed session dates. Thought is now being given to which class to offer next, when to offer the class and where.

## My Winlink 2000 Solution

By Stan Kaplan, WB9RQR

Frustrated with my inability to set up Winlink 2000, I delved into the reason why. The answer was simple. My omni-directional vertical antenna just could not communicate with the server ("PMBO") located down in Milwaukee County. So, I built a 3-element 2-meter Yagi and set it up vertically polarized as shown in the drawing. I installed it in place of the old vertical, and that solved the problem. Here it is. It is not original; I got the plans from WorldRadio<sup>1</sup>. It works!



Dimensions are in inches. The mast and boom are made of 3/4-inch PVC, with a T-connector in the center. Both the reflector and director are threaded steel rods, held in place with a single nut placed on each side of the boom. After tightening these nuts, a drop of clear fingernail polish prevents them from loosening due to vibration caused by the wind.

The two halves of the driven element (one points to the sky and the other to the ground) are brass rod, that I threaded where they penetrate the boom. You could substitute totally threaded brass rod, or steel rod, as well. Each is 19-7/16 inches long. A nut where the long side penetrates the boom holds them in place on that side. The other side projects 1/2-inch from the boom, and a nut, solder lug and another nut affix them there. The solder lugs are wired to an SO-239 connector which has been mechanically attached to the mast near the T-connector, but you could leave out the connector and solder the coax directly to the solder lugs. The half of the driven element that points to the sky is connected to the center conductor, while the half that points to the ground is connected to the braid.

SWR was measured with a MFJ-269 analyzer, in the shack where the coax attaches to the radio, and it is really pretty good (1:1.3) at the Winlink frequency (145.61 MHz). Since you may well be interested in some other frequency, a complete rundown follows, measured at my QTH. I built it quickly and threw it up on the roof in an effort to get on the air with Winlink. The SWR might have been improved with some tweaking, but I did not attempt that – I was in a hurry.

FREQ	SWR	FREQ	SWR
144	2.0	440	1.1
144.5	1.8	441	1.3
145	1.6	442	1.7
145.5	1.4	443	2.0
146	1.3	444	2.0
146.5	1.3	445	1.9
147	1.5	446	1.6
147.5	1.6	447	1.3
148	1.8	448	1.1
148.5	1.9	449	1.5

Quite respectable over both the VHF and UHF ham bands.

The original article<sup>1</sup> described the antenna with force-fit PVC parts so the whole thing could be taken apart and put together with ease, for backpacking or other temporary use. It certainly doesn't cost much to build – easily under \$25 with all new parts, and everything can be found in your local hardware store. And, it does perform. I can transmit and receive with solid copy to that PMBO in Milwaukee.

<sup>1</sup>Some Unfinished Business for QRP 2-meter FM, WorldRadio, Aug 2007, p. 44.

## AES Superfest

Well Ray Grenier (K9KHW) of Amateur Electronic Supply put together another great AES Superfest. Thanks for again inviting us from the ORC. This year AES entertained 37 different vendors and 37 different amateur radio clubs and organizations.



The ICOM booth was busy both Friday and Saturday as HAM's got a chance to see and operate "what's new" in the ICOM line and ask questions about their existing equipment and ICOM promotions.

Yaesu and Kenwood were also at Superfest with factory technical and sales personal in addition to their latest in equipment.



MFJ also had an impressive presence with their station accessories as well as tube type and solid state amplifiers and factory personal to assist with the technical questions.



And who was that drawing a crowd with answers to questions and providing autographs? It was none other than Gordon West (WB6NOA) at the W5YI booth promoting amateur radio and license training materials.



ORC member Gary Sutcliffe (W9XT) of Unified Microsystems was at Superfest showing their line of CW and Voice keyers and PC sound card interface kits available through AES.



Bill Howe (KA9WRL) was also at Superfest with his very impressive collection of classic microphones.

The Ozaukee Radio Club members were at Superfest in force manning the ORC table as well as the OZARES table. It was a great opportunity to tell attendees about both organizations and sell a few advance tickets and tables for the May 3<sup>rd</sup> swapfest. Additionally, Jon Gilmore (KB9RHC) won a door prize of a 6 meter beam and two antenna balun center supports.



**ORC members were manning both the ORC and OZARES tables.**

## ORC is an SSC

By Stan Kaplan, WB9RQR

Bet you didn't know! SSC stands for ARRL Special Service Club, and we have held this status continuously, since 1985. Below is our latest, dated January 2008.



Special Service Clubs are the recognized leaders in their Amateur Radio communities, and the designation shows that a club does more than the usual for the community and for Amateur Radio in general. They are the ones with active training classes, highly visible publicity programs and members that actively pursue technical projects. Over half of the members must be ARRL members, and the ARRL refers to us prospective hams that want to learn more about our hobby.

There are a whole bunch of benefits to the ORC so long as we maintain SSC status. Just to name a few, we can get \$15 for every new ARRL member recruited and \$2 for every ARRL renewal submitted by the club. We also can get free mailing labels and lists of ARRL members

in our area, for targeted mailing campaigns. We can also get free clip-art, club discounts on ARRL publications, ARRL-sponsored liability and equipment insurance, the ability to participate in the gavel competitions in the ARRL DX Contest, November Sweepstakes and the ARRL VHF Sweepstakes, and more. That is why your officers have applied for and kept up our SSC status over the years.

## ORC Audit Report - 3-21-08

De Vic Shier, KB9UKE – Audit Committee Chairman

The audit committee met on March 19, 2008. The committee consisted of: Kent Christiansen, N9WH; Ed Rate, AA9W; Tom Nawrot, AA9XT; and Vic Shier, KB9UKE. This audit covered the activities from January 1, 2007 to December 31, 2007.

The club books and records were found to be well organized and in good order; all cash accounts balanced to the penny with a grand total of \$29,636.60.

The club currently has four bank accounts; a regular checking account, a money market/checking account, and two certificates of deposit. The balance of each of the accounts was verified to be the balance as reported in the December 31, 2007 treasurers report.

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

A comparison of budgeted items to actual revealed the following:

Estimated Income	\$7,130
Actual Income	\$6,796.97
Estimated Expense	\$5,475
Actual Expense	<u>\$6,075.47</u>
Estimated Change	\$1,655
Actual Change	\$ 721.52

The committee would like to make the following comments:

1. Some receipts are hand written receipts rather than actual receipts. Nels Harvey reported that from time to time club

members are entitled to reimbursements for out-of-pocket expenses, however, they were not able to produce a copy of the actual receipt. Although the noted expenditures were generally small, the lack of a receipt is not good accounting practice.

2. A determination of the extent to which the budget was adhered was time consuming and rather imprecise. The committee suggests that the chair of each significant program report on the actual and budgeted cash flows at the conclusion of the program.

The committee wishes to thank Nels Harvey, WA9JOB, for his service as treasurer and to commend him for maintaining accurate and organized records.

Submitted by: Vic Shier, KB9UKE, Chairman

## Upcoming Events

### April

9<sup>th</sup> **Membership Meeting – digital radio**

19<sup>th</sup> Madison Swapfest @ Stoughton

24<sup>th</sup> OZARES

### May

2<sup>nd</sup> **Opportunity Day @ Parkview School**

3<sup>rd</sup> **ORC Swapfest at Circle B**

10<sup>th</sup> CQ National Fox Hunting Weekend

14<sup>th</sup> **Membership Meeting**

16<sup>th</sup> – 18<sup>th</sup> Dayton Hamvention

28<sup>th</sup> OZARES

The



Column

By Stan Kaplan (WB9RQR), Column Editor

By the time you read this, Nancy and I will be in Kentucky, visiting my daughter and her family, or in Florida, visiting Nancy's son and family. It will be good to get into green again!

The last OZARES meeting (20 Mar) was our annual **Severe Weather Training for Spotters**, hosted by Emergency Management with Rusty

Kapela at the podium. Rusty is a Meteorologist with the National Weather Service, and is Warning Coordinator for Severe Weather. His annual Severe Weather Training for Spotters is legendary. Rusty's presentations are always top notch, and even though he has been doing it for many years, he always provides new material and new things to learn. If you missed the presentation, go to this link to catch up:

<http://www.crh.noaa.gov/mkx/?n=spotters>

OZARES is supporting a **Public Health Service Exercise** on 19 Apr, held in conjunction with Medicine Collection Day. Ops are needed with HTs from 9:00 – 11:00 a.m. on that Saturday. Contact Jon Gilmore, KB9RHZ, our Emergency Coordinator, if you can help out. You know, there is no better way to foster a good reputation for OZARES than to take part in these agency exercises. It raises our visibility and advertises our capabilities, besides teaching us how to interact with them and teaching them how to interact with us. Contact Jon.

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

03 Apr	<b>W9KHH</b>
10 Apr	N9PBY
17 Apr	KA9PZG
24 Apr	Meeting
01 May	KB9RHZ
08 May	KB9RLI
15 May	WB9RQR
22 May	meeting
29 May	W9BTN

05 Jun N9SQA  
12 Jun KB9UKE  
19 Jun N9UNR  
25 Jun No net or meeting; Field Day

## Minutes— March 12<sup>th</sup>, 2008

De Nancy Stecker KC9FZK Acting Secretary

An Elmering Session was held previous to the regularly scheduled meeting. Mark (AB9CD) continued the discussion about kits.

**President Mike Yuhas (AB9ON)** called the meeting to order at 7:30 p.m. As requested by the president, members and guests introduced themselves and the year they became hams. Congratulations to Roger (W9UVV) who has been a ham since 1935.

**Announcements etc:** Tom (W9IPR) gave out 2008 awards to the following members not present at the PEP: Club Service Award went to Mark (KC9GST), Instructor of the Year Award to Mark (AB9CD), Radio Art Advancement Award to Tom (W9VBQ) and International Good Will Award to Gary (W9XT). Mike (AB9ON) displayed his AARP membership card and Tom (W9IPR) said he had picked up his almost new Harley.

**Program: Andy Eliason (KA9DOL):** Bill (KA9WRL) introduced Andy Eliason (KA9DOL) who presented a program showing many of the projects he built. Andy showed the diagrams used create new improved reproductions of old radios, displayed the models and turned them on for us to hear.

**Fellowship Break:** Members used this time to look over the radios from the program.

**Auction:** Stan (WB9RQR) held an auction of donated items. Nels (WA9JOB) won the 50/50 pot.

**Business Meeting:** The president entertained a motion to approve the minutes of the February meeting as published in the newsletter. Gary (W9IM) so moved, Stan (WB9RQR) seconded the motion, the motion passed. The president then entertained a motion to approve the minutes of the January meeting as published in the February newsletter. Dave (N9UNR) so moved, Stan (WB9RQR) seconded the motion, the motion passed.

**Treasurer's Report:** Nels (WA9JOB) placed copies of his report on tables for members to see. The ORC has a balance of \$10,715.08, a Scholarship Fund balance of \$20,998.79 for a total of \$31,713.87. A new CD renewed at a 3% interest. Dave (N9UNR) made the motion to accept the Treasurer's report, subject to audit, and Jim (K9QLP) seconded the motion. The motion passed.

### Committee Reports:

**Repeater Report:** In the absence of John (W9NRG), Nels (WA9JOB) the repeaters are in good working order, though not used.

**Swapfest Committee Report:** Tom (AA9XK) said the date is May 3, 2008 and that we will have to set up early Saturday morning, as Circle B will not be available on Friday night. He is looking for volunteers.

**Training Report:** Mark (AB9CD) will offer the Extra Class at a later time and in a different format.

**Other Reports from the President:** A thank-you to Stan (WB9RQR) for handling the ORC Newsletter while Tom (W9IPR) was on vacation. Tom (W9VBQ) does a human-interest column for the newsletter; if he asks to interview you, please do so. There will be no Fish Day Parade this year.

**Old Business:** A yearly audit of the finances is to be held. Vic (KB9UKE) volunteered to head a committee to audit the books.

### New Business:

Mark (AB9CD) said his Elmering group would choose a kit to build. That group meets at 6:45 p.m. before the meeting. Bill (KA9WRL) said JOTA might be moving to Long Lake from Pioneer Village. Nels (WA9JOB) said to see him if there is interest in jackets and hats. He also mentioned that Skip (KA9DDN) is in the hospital for tests. Tom (W9IPR) said Opportunity Day at Parkview Elementary School would have 5 sessions of 15 children each session on May 1, 2008. Jon (KB9RHZ) said that April 19 is a county-wide Medicine Collection Day to dispose of old medicines at the Ozaukee County Highway Department in Port Washington. Also, there will be a weather-spotting program on March 20, 2008 open to all members of the ORC and OZARES. Rusty Kapella of the National Weather Service will be at the Justice Center at 6:30 p.m. for this informative program. Dave (N9UNR) reminded all to vote at the April 1, 2008 election for local officials.

**Attendance:** The 31 members and 1 guest who attended the meeting were: Stan WB9RQR, Naomi KC9GSS, Kate KB0SIO, Richard AB0VF, Mark KC9GST, Dave N9UNR, Ed AA9W, Kent N9WH, Marc N9ZF, Ray W9KHH, Bob W9LO, Jerry W9GGR, Joe KA9DFZ, Bill AA9OS, Tom W9IPR, Doug N9KG, Tom AA9XK, Julia KB9WBQ, Bill KA9WRL, Tom W9VBQ, Gary W9XT, Roger W9UVV, Mark AB9CD, Nels WA9JOB, Jon KB9RHZ, Jeff WB9PZD, Gary W9IM, Vic KB9UKE, Jim K9QLP, Mike AB9ON, Nancy KC9FZK and guest Andy Eliason KA9DOL.

**Adjournment:** The chair entertained a motion to adjourn at 9:00 p.m. Kent (N9WH) so moved, Vic (KB9UKE) seconded the motion, the motion passed.

## **AGENDA**

*April 9th, 2008*

1. Call to order – Mike (WB9ON)
2. Introductions.
3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
4. Program: Chris Tarr ( W9JOL) – digital radio
5. Fellowship Break
6. Auction. Stan Kaplan , KB9RQR
7. Acceptance of Minutes as printed.
8. Treasurer's report – Nels (WA0JOB).
9. Repeater report – John (W9NRG)
10. Committee reports.  
Membership – Nancy Stecker, KC9FZ  
Youth Program – Opportunity Days @ Parkview  
May 3<sup>rd</sup> Swapfest - Tom Nawrot, AA9XK  
Field day – Ken Boston, W9GA  
Audit Committee – Vic Shier, KB9UKE
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 7<sup>th</sup> Avenue, Grafton**

**Wednesday, April 9<sup>th</sup>**

**7:30 PM**