



# October - 2004

## Officers

Operating the 146.91- repeater under the call sign WI9MRC.	President	Bob Albert	AB9FB	ab9fb@yahoo.com
For best access use 127.3 PL.	Vice Pres	Dean Hoover	KB7QDI	kb7qdi@yahoo.com
Mailing address: PO Box 2123	Secretary	Joe Schwarz	N9UX	jvschwarz@yahoo.com
Milwaukee, WI 53201	Treasurer	Brian Hechel	K5GBW	k5gbw@yahoo.com
	Acivtes Mgr	Matt Moog	KC9COY	kc9coy@themoog.com

## Meeting Notice...

**October 23** (Sat) 7:00p Meeting Swapfest Planning, and technical presentation from the Technical Committee (see below) Oak Creek Location

## 2004 Club Calendar...

**November 6** (Sat) 8:00a-2:00p Swapfest  
**November 24** (Wed) 7:00 Meeting (Swap Fest Debrief), Mayfair location  
**Board Meetings:** Call a board member for date, time and location of the meeting.  
**Oak Creek Location**  
 Wauwatosa Savings (Basement)  
 6560 S. 27<sup>th</sup> Street, Oak Creek, WI  
**Mayfair Location** (New)  
 Mayfair Bank Tower (In Basement), 2300 North Mayfair Road, Wauwatosa, WI

## A Note From Your President

It's hard to believe it's fall already and this years board's term is almost over. It's very true to say, "Time flies when your having fun!" We've had a great year and I'm looking forward to the things we have planned for the rest of the year. We have a great swapfest coming up and an always fun Christmas party to look forward to. Just a reminder, we can use your help at the swapfest. Please contact my co-chair, Joe, N9UX or me if you'd like to volunteer.

At our last club meeting we voted to pursue 501c3 tax exempt status for the club. There are many benefits for our club

to be tax exempt. Just to name a few benefits, we can purchase things for the club tax free, we can accept donations that are tax deductible for the donor, and we can reduce our swapfest costs by not having to pay tax on things we purchase. Pursuing 501c3 status requires us to amend our Constitution and By-Laws. Please review the meeting minutes later in this newsletter to review the proposed amendments and be prepared to vote on them at our October meeting. Many thanks to Don (WA9ERI) for all of the help he has given us in preparing for 501c3 status. Also, many thanks to John (KC9FMC) who graciously donated the \$150 501c3 application fee.

I encourage everyone to attend our club meetings. It's a great place for your voice to be heard. If you have any comments or suggestions on how to improve the club, bring them to a meeting. If you haven't been to a club meeting for a while and don't because you remember meetings going on forever, things have changed. This year's board is determined to make this year's club meetings as short and as informative as possible.

Thanks for your time,  
 Your President, Bob, AB9FB

## Next Meeting Program Technical Announcement

The presentation at our next Club meeting on October 23 will be of great interest to those of you with a technical interest. Members of our Technical Committee will show us what they have learned over the last few years building the .91 repeater system.

The program will be a hands on, live demo of many of the parts and pieces of RF

hardware that we all as Amateurs "should" know about, but not many people ever have a chance to see. We will display and USE some of the highest end RF test gear available from Hewlett Packard and Tektronics.

Ever wonder what was *beyond* your MFJ or AEA Antenna Analyzer? Want to see a shoot off between some Belden 9913 and LMR 400? (At 3 GHz?) Want to SEE at good RF signal? What to SEE deviation? SEE what an "RF Cavity" is, and play with the different types (Notch, Pass). And we'll show you some Duplexers and Circulators too.

**BRING YOUR HT** to the meeting. We will have a Hewlett Packard 8920 Communication Monitor available to test your gear during the break. Is YOUR HT on frequency? Is the P.L. tone at the proper level? How sensitive is your receiver? We will tell you!

We also plan on building a 440Mhz repeater out of Motorola CDM750 radios and a SCOM 5K controller (and tuning it all up) live before the group. You may well have heard us sending audio tones through the .91 system over the last few months, we'll show you why!

And don't worry about not seeing the displays and being able to follow along from the back of the room... the test gear we will be using all outputs to a video projector, so all the plots and displays will be 8 feet wide on a screen at the front of the room.

Please come, this is your chance to see some really cool, research laboratory grade RF gear in action!

N9UUR & N9NPB

## Committees

Awards	Mark	KB9VJQ
Computer Net	Gary	N9UUR
Control Operators	Gary	N9UUR
Emer Operations & Training	Gary	N9MGJ
Fun Net	Warren	K9IZV
Historian	Warren	K9IZV
Membership Coord.	Kate	KA9MWT
Net Announcements Coord	Deb	KB9ISE

Newsletter	Heidi N9TUY & Bob AA9JW
Public Service	Kate KA9MWT
Station Trustee	Warren Schall K9IZV
Swapfest	Bob AB9FB & Joe N9UX
Swap Net	Leroy WD9HOT
Technical	Mike Borchardt N9NPB
Weather	Skip WD9HAS
Co-Webmaster	Gary N9UUR
Co-Webmaster	Richard K9RWE

---

## News From The Vice-President

---

Not to take any thunder away from the Technical Committee, but this month I had an opportunity to watch them in action.

A couple of weeks ago, I took Ashley to the main site, and watched as Mike N9NPB, Gary N9UUR and Mark KB9VJQ replaced the four receive radios with new Motorolas recently purchased.

Each receive radio is linked to a transmitter to one of the four receive sites, which helps bring the 91 repeater it's great coverage.

After they took readings from the original radios, they replaced and calibrated the audio levels one at a time. This is so when it is all finished, all the link sites sound the same when it is transmitted back into the main transmitter. Proper calibration also helps the voter when deciding which site has the best signal.

It was great to watch them do their job, appreciated their time when I asked questions, and I personally want to thank them for the time they have taken to help keep us one of the best repeaters in the state.

In other news, this is another opportunity for the Milwaukee Repeater Club to shine. The first week in November is the MRC Annual Swapfest in Waukesha. From speaking with Joe N9UX and Bob AB9FB, vendors have already reported in wanting tables, and volunteers are signing up to help out. But we can always use more. Get in touch with Joe or Bob if you would like to volunteer.

73 de Dean KB7QDI

---

## Swapfest News

---

Preparations for the 20th Annual MRC Swapfest are progressing nicely. Vendors are signing up and tickets are being sold. The fest will be held at the Waukesha County Expo Center on November 6, 8:00am to 2:00pm. Friday setup will be available, please contact us for more info.

We are still looking for volunteers, if you are interested in volunteering or getting a table, let us know by email: swapfest@mrc91.org.

Bob (AB9FB) and Joe (N9UX)  
Swapfest Co-chairs

---

## A Note From Your Treasurer

---

When I was elected treasurer of the MRC, I was surprised to learn that although the club was incorporated as a not-for-profit entity it was not 503c(3). The rest of the board also felt becoming 503c(3) was the next logical step to take to promote the growth of the MRC. With the help of Don-WA9ERI the board was able to research the pros and cons of being a 501c(3) corporation.

The advantages of becoming 501c(3) are excellent. These include not having pay sales tax for club purchases and any donation valued at \$250 or more is tax deductible by the person or company making the donation. The biggest disadvantage is that at the end of the year a one page form must be filed with the IRS. The MRC will also be required to make a change to the club constitution by adding two paragraphs to Part I of the by-laws. This change is written to satisfy the Internal Revenue Service in their requirements for the MRC to become 501c(3). This change was read at the September 11, 2004 meeting and is published in this edition of the club newsletter. The second reading and vote on the proposed change will be at the next meeting held October 23, 2004.

I want to take this time to thank Don-WA9ERI for his help in this project. Don graciously donated his time to the club in helping us make the necessary changes to the constitution and completing the necessary paperwork required by the IRS. I also would like to thank John-KC9FMC for donating the filing fee required by the IRS. It is this type giving that makes me proud to be affiliated with the .91 repeater.

The board of directors has voted to close the 2004 membership year on October 31, 2004. If you are a member in suspension please renew by that date otherwise you will be dropped from the roster. I would like to also encourage the rest of the membership to start renewing their membership for 2005. We will again be accepting membership renewals at the Swapfest.

73's Brian-K5GBW

---

## Nominating Committee

---

I have been re-appointed Nominating Committee Chair for this year and I need your help. We try to reach all our club members by telephone, e-mail (or other private means), to ask the following

questions: Would they like to run for club elective office or would they like to nominate someone else for club elective office. Can you help make those phone calls, in the next two months? Elections are at our January Meeting. The nominating report goes in the newsletter whose deadline is in early December. Volunteers for this committee would call between 10 and 20 people, depending on how many volunteers we have. If you would like to volunteer for this important work, contact me on 146.91- or leave a message on 414-444-4589.

Thank You! Warren K9IZV.

---

## MRC Awards Committee

---

There will soon be an MRC Awards Committee meeting and I'm looking forward to hearing thoughts and ideas from all of you regarding Nominations for Friendly One, Public Service Award and any other creative Ideas for awards you might have. Please send an email to [mrcawards@sbcglobal.net](mailto:mrcawards@sbcglobal.net) or call me directly at 262-542-5331. Hearing your recommendations is an important step in the selection process. I also have room for additional takers who might wish to serve on the Awards Committee.

Looking forward to hearing from you.

Mark Zentner KB9VJQ.

---

## From the Head Control Operator of the MRC

---

Hello. A bit of business from the Control Ops this time.

Under the rules of our "Control Ops Charter" which was adopted by the MRC in August of 2002, we now have a method for adding new Control Operators to control and oversee the repeater. We would like to add a new person to the group. I have written the following letter of recommendation, and this nomination has been discussed by the Control Ops group and has their approval. It was then presented to the MRC Board of Directors, and was accepted and approved by the Board as well. The last step is to have the Membership approve this nomination at our next club meeting (after giving proper notice in the newsletter).

I am proud to offer the name of Mark Zentner KB9VJQ for the position of Control Operator, Milwaukee Repeater Club, Inc.

Gary Bargholz N9UUR

(Official Notice and Nomination Letter printed below)

**To: The General Membership of the Milwaukee Repeater Club, Inc.**

Mr. Mark Zentner, KB9VJQ, and his wife Maureen KB9VLJ, have been active and involved in the general Club, since early 2001. Maureen has been a past club officer and Mark supported her in that post. They both have a commitment to the MRC, and more importantly, know what that commitment means in personal time and effort. Mark has been an active member of the MRC Technical Committee for 2 years, and has gained the technical and operational knowledge of the repeater system needed to perform the functional duties of a control operator.

Mark displays, by his day to day on air operating style, a very good example of "Proper Amateur Radio Practice", he is knowledgeable and willing to share with others. He is one person who lives up the Club motto of "The Friendly One", and was presented with that honor and title by the Club membership in 2002.

I am confident in his judgment, and trust him to keep confidential the control codes and other system information of the MRC repeater system.

For these reasons, and more, I offer the name of Mr. Mark Zentner, KB9VJQ for consideration for the position of Control Operator of the Milwaukee Repeater Club, Inc.

Gary Bargholz, N9UUR  
Head Control Operator  
Milwaukee Repeater Club, Inc.

---

## MRC Meeting Minutes Sept 11, 2004

---

Location: Wauwatosa State Bank, Oak Creek, WI

Before the official meeting start, Mike (N9NPB) gave the Technical Committee report. The new radios are in. The receivers at Main Site are being replaced. In order to ensure the proper operation, a tone is transmitted which can be received at all sites. Mike went over the voter tuning process.

Each year we clean out Main Site. Mike will be looking for volunteers in the next couple of weeks for folks to help out. If you are interested in helping, please contact him.

Bob (AB9FB) called the meeting to order at 7:23 pm.

Introduction of attendees.

Bob (AB9FB) asked for a motion to accept the minutes of the last meeting as published in the newsletter. Motion Made by Gary (N9MGJ) second by Brian (K5GBW). Motion carries unopposed.

New Members. A motion was made by Dean (KB7QDI) and second by Al (N9RXD) to accept the following as a member of the club: Charles (WA9YEQ). Motion carries unopposed.

Bob (AB9FB) announced the board decided to make the November meeting this year an official club meeting, rather than just a swapfest review. This was so business could be transacted.

Dean (KB7QDI) talked about Echolink testing, three tests have been conducted with the equipment, but none yet on the 91. Dean continues to work with the Technical committee and Control Operator to test Echolink.

Dean (KB7QDI) talked about a streaming audio test, which routed the audio output of the repeater out to the Internet.

Dean (KB7QDI) received a request from the Scoutmaster of Pack 232. The Jamboree on the Air event is happening October 17, 2004. The scouts are looking for a volunteer to take the lead and see if someone can help the scouts with this event. Please contact Dean if you are interested in this event.

Brian (K5GBW) gave the Treasurer's report. The current full roster should be 238 members. Pat (KB9ZOS) made a motion and Mike (KC9CMT) seconded to accept the Treasurer's report. Motion carries unopposed.

Brian (K5GBW) talked about the club becoming a 501(c)3 non profit organization. Don (WA9ERI) has volunteered to help with filing the paperwork with the IRS, he has worked with several organizations in the past with this. A motion was made by Al (N9RXD) and seconded by Bob (KC9EOZ) to allow the club to move forward with the process. The motion carried unopposed.

Brian mentioned there would need to be changes to the club bylaws in order to comply with the change in status. Brian read Article 8 of the bylaws on how they are to be amended.

### Bylaws Changes

The proposed changes are:

In Article 1:

Add the words 'Section 1:' before the current section. Section 1 will read as follows:

Section 1: The corporation is to have three classes of members: PAID, NO CHARGE, and IN SUSPENSION; however, all members shall be licensed Amateur Radio Operators. PAID members shall be those whose annual dues are properly paid up to date. NO CHARGE members are by heritage or law (family) related to a paid member and residing at the same address as that paid member, or members not removed from the membership roles per Article V. Members IN SUSPENSION are PAID members whose dues are not up to date, or NO CHARGE members associated with a PAID member whose dues is not up to date. Only PAID and NO CHARGE members may hold office or have voting rights. Members IN SUSPENSION may be removed from the membership rolls seven and one-half months after the Annual Meeting, per Article V. Any applications for membership shall be submitted at any meeting and each applicant must express a willingness to abide by the Constitution and such rules from time to time be promulgated by the corporation. Two-thirds of those present must approve the applicant and his dues shall be paid before he shall be considered a member. Candidates for membership to the Milwaukee Repeater Club whose membership is rejected, shall not be considered for membership again until one year has elapsed from the date of the rejected membership.

Add the following sections:

Section 2: The Milwaukee Repeater Club, Inc. is organized exclusively for the charitable, scientific, literacy, or educational purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code or corresponding section of any future federal tax code (hereinafter "Internal Revenue Code").

Section 3: Upon the dissolution of the Milwaukee Repeater Club, Inc., after paying or adequately providing for all debts and obligations of the Milwaukee Repeater Club, Inc., the remaining assets shall be distributed to one or more nonprofit funds, foundations or organizations that have established for tax-exempt status under Section 501(c)(3) of the Internal Revenue Code.

A discussion began on the process, advantages and disadvantages. It is about a 15-day process for application. Once the

IRS approves the application, we can get the state ID number.

There is a \$150 filing fee for organizations with less than \$10,000 income in a year. The MRC falls in this category. There is some additional paperwork for the Treasurer, record keeping and additional annual reports. As an incorporated state organization, we would continue to pay the same annual fee. There were no expected changes in club activities.

Warren (K9IZV) mentioned that bylaws changes in the past have been consistent with the filing, such as the types of membership.

Brian (K5GBW) also mentioned October 31 would be the end of the membership year. Members in suspension would be dropped from the roster, and any new memberships will be for 2005.

Matt (KC9COY) is looking for a larger room to hold the March weather meeting. If you know of a larger room that is available until approximately 11:00pm, please contact him.

Matt (KC9COY) thanked everyone for helping out and attending the picnic.

Matt (KC9COY) also proposed a bylaws change, to Article II, Section 1. The word "Manger" should be changed to "Manager".

Old Business

Swapfest November 6. Costs have been increasing from the Waukesha County Expo Center, so we have increased the table and electricity charges to \$17 each. Admission will remain at \$6 again this year. Preparations are continuing, table sales have begun. The ARRL will be at the fest again this year, and we have advertised in QST magazine again.

The Borhardt family will run the kitchen again this year. They are in need of 35-cup coffeepots, if you have one available for use during the swapfest, please let the organizers know.

Volunteers are still needed, please contact Bob or Joe at [swapfest@mrc91.org](mailto:swapfest@mrc91.org) or via phone at 414-526-7011.

New Business

Warren (K9IZV) has volunteered to lead the Nominating Committee this year. He described the nomination process, and put out a request for volunteers to call club members. Please contact Warren if you are interested in volunteering.

Brian (K5GBW) made a motion to adjourn at 8:15pm Matt (KC9COY) seconded. Motion carries unopposed.

After the meeting, Gary (N9MGJ) gave a presentation on the 9/11 disaster and how the emergency communications worked. He also talked about a free publication from FEMA called "Are You Ready? A Guide to Citizen's Preparedness" It can be obtained by calling FEMA at 1-800-480-2520.

John (KC9FMC) made a donation of \$150 to cover the cost of the club filing for 501(c)3 status.

Respectfully submitted,  
Joe Schwarz, N9UX  
MRC Secretary

Newsletter...

The MRC Newsletter is generally published 6 times per year (January, March, May, July, September, and October). The Newsletter deadline is 30 days prior to the date of the meeting. Send articles, reports, comments, and suggestions to Bob AA9JW or Heidi N9TUY Manak. Email [aa9jw@amsat.org](mailto:aa9jw@amsat.org), Fax 208 247-9055 or ☎ 262 544-6151.

The Milwaukee Repeater Club Inc. ; P.O. Box 2123, Milwaukee, WI 53201  
Membership / Renewal Application

Call sign	Name	Expiration Date
Name used on air		Class of License
Telephone (home)	(work optional)	
Street		
City	State	Zip
Birth date (optional)	ARRL Member? <input type="checkbox"/> yes <input type="checkbox"/> no	
E-mail: _____		
Dues (New & Renewal):	\$	20.00
Capital Improvement Fund:	\$	_____
Amount enclosed:	\$ _____	

I hereby agree to abide by the Constitution, By-laws and rules of the Milwaukee Repeater Club.

Signed: \_\_\_\_\_

The MRC membership will vote on your admission to the Club at the next meeting after your application is received. PLEASE NOTE! If there is ANY of your personal information that you DO NOT wish to be published into the Club Roster, note this on this form. Also, list the names, calls and other pertinent information on any family members living at the same address who are Hams and desire to become MRC members. Thank You!



The Milwaukee Repeater Club Presents... our 20<sup>th</sup> Annual Swapfest!

# AMATEUR RADIO Fest 2004

## HAM RADIO, COMPUTERS & ELECTRONICS

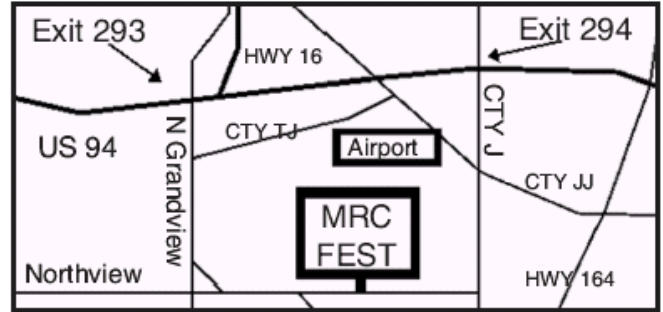
**Saturday November 6, 2004**  
**8:00 am to 2:00 pm**

**Waukesha County Expo Center Forum Buildings**  
**N1 W24848 Northview Rd., Waukesha Wisconsin**

**Admission: \$6.00**

**Tables: \$17.00 per 8' table      *Vendor Loadin***

**Electricity: \$17.00                      *5:00 AM***



### AMATEUR RADIO & ELECTRONICS

New and used Ham and CB radios, batteries, antennas, scanners, test equipment, parts, connectors, electronic components, tubes, wire, coax, cable, switches, computers, software, and much more.

### PANCAKE BREAKFAST

**In The North Hall – Breakfast 7:00 to 9:00 am.**

Featuring our “Famous” breakfast Specials! Pancakes, eggs, sausage, orange juice, coffee and more!

**Food counter open all day** with hot dogs, brats and afternoon delights.

### TALK-IN

Talk-In will be on the MRC Repeater, 146.910, -offset, 127.3 PL

#### For Further Information:

Browse our Web Page at: <http://www.mrc91.org>

Send us an e-mail at: [Swapfest@mrc91.org](mailto:Swapfest@mrc91.org)

Call Co-Swapfest Chairman Bob Albert (AB9FB) at: **414-526-7011**

**Vendor Reservation – Please Print**

# of Tickets: \_\_\_\_\_ x      \$6.00 = \_\_\_\_\_ (Each vendor must have an admission ticket)

# of 8' Tables: \_\_\_\_\_ x      \$17.00 = \_\_\_\_\_

Electricity:      Each      \$17.00 = \_\_\_\_\_      Total \$ \_\_\_\_\_      *Vendor Loadin*  
*5:00 AM*

Company Name: \_\_\_\_\_

Name: \_\_\_\_\_ Call Sign \_\_\_\_\_

Address: \_\_\_\_\_

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_

e-mail Address: \_\_\_\_\_

Send your order and check payable to: Milwaukee Repeater Club / PO Box 2123, Milwaukee, WI 53201-2123  
Please enclose a SASE so your tickets can be mailed if ordering by October 23, 2004