



## May - 2000

Operating the 146.91- repeater  
under the callsign K9IZV.  
For best access use 127.3 PL.

Officers	
President	Mike Borchardt N9NPB 367-3953
Vice Pres	Mike Zore KB9PHA 258-4435
Secretary	Ron Henry N9KWW 786-7512
Treasurer	Gary Bargholz N9UUR 355-6922
Activities Manager	Sally Stanton KB9LSP 774-6252

### MEETINGS NOTICE

**May 25** (Thur) 7:00pm-- Business meeting with program on Basic Industrial Power Distribution, and Infra-red Thermography, by Scott Ladwig, KB9SQT at the Mayfair location.

### 2000 CLUB CALENDAR

- July 27** (Thurs) at Mayfair location.
- August 6** (Sun) The MRC annual picnic is scheduled at Hoyt Park picnic area 2. The time, directions, etc. will be announced closer to the date. The site is located near the Hoyt Park swimming pool for those who want to bring families.
- Sept. 9** (Sat) at Oak Creek location.
- Oct. 26** (Thurs) at Mayfair location.
- Nov. 22** (Weds) at Mayfair location.
- Dec. 16** (Sat) at Mayfair location.

**Board Meeting** 2nd Monday of month, 7pm, Inquire for location.

#### Oak Creek Location

Wauwatosa Savings (Basement)  
6560 S. 27th St  
Oak Creek, WI

#### Mayfair Location

Mayfair Mall Location (Room G-110,  
See Below)  
2500 N. Mayfair Rd  
Wauwatosa, WI  
Park on the east side of the mall, under  
the second floor new movie theater.  
Enter the mall under the theater. About

fifty feet inside, on the right, look up to see the sign GARDEN SUITES EAST. Go thru the door below the sign. Take the elevator or stairs to the level below. Swing around left and go down the long hall. At the end of the hall find room G-110.

### NOTES FROM THE PRESIDENT

If you missed the last membership meeting you probably missed the best weather program put on by Skip WD9HAS and Paul (another Skip) WD9HRE. I want to thank both of them for streamlining the program. The program was shorter, better and more informative than in the past. Job well done. If you want to be a trained weather spotter talk to Skip or Paul (the other Skip).

There were a couple of important issues brought up at the last meeting which is a two-fold situation. First, we have been given a lease agreement to sign in order to retain our space in the building and tower. The agreement is written in such a way that it would be best if we were to get professional help in making adjustments to the lease. The current verbiage leaves us open to additional costs and responsibilities at the wishes of the tower owner. The agreement needs to be written in a manner so that both the management group and the MRC can come to terms. Second, the rent is going to triple. The cost of renting our space at the main site will definitely go up. At this time I don't see the lease agreement; however the agreement is written, getting us out of the increase. There was discussion on the matter at the last

membership meeting and it looks like the consensus was to raise the dues starting next year to offset the rent increase.

There is a current motion to change the dues amount from \$12.00 per year to **\$20.00** per year. (See the motion later in the newsletter.) There will be a vote taken at the April membership meeting. Consider this official notice in accordance with the MRC By Laws ARTICLE VIII: SECTION 1:

The Swap Fest has been included in the Board's agenda. Please read: 2 CENTS WORTH from Gary N9UUR, found somewhere in this newsletter. No need for me to hit on this topic as Gary has covered it well. Thanks Gary.

Gary N9UUR and I went to the northeast site in March to replace the failed transmitter. After the replacement, we encountered a weird problem. As a result, we pulled the site and brought it back with us. The problem was corrected and the site was back in place, up and running on April 21st. The damaged transmitting antenna was also replaced. We don't feel this was the cause of the transmitter failure.

Now that we have achieved our final goal in the rebuilding of the repeater, this year I intend to do a physical audit of all the repeater equipment and any property owned by the MRC. As a member of the audit committee, Mike N9WJV was invited to the northeast site to take inventory. I hope to have a complete list of the current MRC gear and items in storage listed by location by the end of summer. This will allow us to evaluate the net worth of the club and replacement cost of the system.

### Committees

Activities	Sally	KB9LSP
Computer Net	Gary	N9UUR
Fun Net	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	Board	
Swap Net	Lloyd	WB9RGO
Technical	Mike Borchardt	N9NPB
Weather	Skip	WD9HAS
Webmaster	Open	
Assistant - Webmaster	Rick	WD9IWK

Brad N9KXA and I visited the main site to do routine maintenance and install a DC to DC converter on the voter. The DC to DC converter is necessary to keep a constant 14.9 volt power level to the voter. The voter is sensitive to any change in the power supply voltage. This is very important if we are running off the battery backup due to bad weather / power outage. The signal coming from the northeast equipment was also evaluated with help from Gary N9UUR. Thank you both for your help.

There will be another improvement made to the repeater. The audio output of the receivers at the main site, five in all, are not balanced with the audio input of the voter. Radio audio output is 600 ohms, voter input is 10K ohms. I purchased impedance matching transformers to correct this problem. By balancing the audio to the voter, I'm hoping to pass higher audio frequencies. This will make our system sound better and also provide the necessary audio frequencies to have the voter work properly. The transformers have been mounted on a circuit board and, with a little cabling left to do, I hope to have them in place soon. Well, I think I'm typed out. See you at the meeting.

Thank You,  
Mike N9NPB  
President

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## PROPOSED BY-LAW CHANGE

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Notice is hereby given to all members  
Proposed amendment to the by laws  
Made by K9IZV

### CURRENT:

#### ARTICLE V: DUES AND ASSESSMENTS

Section 1: Dues shall be \$12.00 per year. In addition to dues, the members by majority vote of those present at any regular meeting, may levy upon the general membership such assessments as shall be deemed necessary for the activities of the corporation within its object as set fourth in the preamble hereof and the articles of incorporation. Nonpayment of such dues or assessments shall be cause for removal of IN SUSPENSION members from the membership rolls of the club within the

discretion of the Board of Directors.

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## 2 CENTS WORTH FROM THE TREASURER...

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Hello MRC!

A bunch of stuff is happening... Here is a snapshot of what the Board and Membership is currently talking about. Votes and decisions will be coming on these topics soon, so come to the next meeting or make your voice heard!

The Repeater: The tech folk are still watching the "upgrades" from last year closely, just sort of can't believe it's all 100% since it all went in. Kind of waiting for a "bug" to appear somewhere, but after 8 months all is still OK. The northeast site link transmitter went down and has been replaced. We have no idea why it died, SWR on to the antenna was OK, even though it was missing a few elements, and has been replaced. No lightning was noticed around the date the transmitter went down. Best guess is a "random failure", given the up time and duty cycle of the repeater, it's to be expected.

Main Site Rent Increase: As you may be aware, a "contract" for our space and tower use has arrived from the tower owner. It is 17 pages long, and "written by lawyers". The Board has had some difficulty in even reading the document given the language. We have sought professional help. The bottom line of the paper, beyond many other fine points, is an increase in our monthly rental fee from \$52.50 to \$150.00, a net increase of

about \$1,200.00 per year. This is a MAJOR budgetary hit. At the last two club membership meetings the problem was discussed and a decision was made to raise the yearly membership dues to \$20.00 a year to provide the funds needed for this expense. A change in the MRC yearly dues amount requires a change in the MRC by-laws. (Please see the by-law change notice elsewhere in this newsletter.) In general, the Board is not "happy" with the contract, or the idea of having to raise the membership dues, but these are the costs involved with operating the machine at the site, and this must be done.

The Swapfest: Waukesha County Expo Center, Nov. 4th, 2000. We will again run a "split" swapfest this year. A "Hamfest" and a "Computer EXPO". The Hamfest will be in the South and East rooms, we are moving the Computer EXPO to the NORTH room. This move reflects the smaller size of the computer vendor space needed and will allow the Hamfest to expand in the larger East room. We are considering advertising issues: Ads on Warner Cable - seemed to not get much result, drop them. Ads on radio - may try again, but select different station or multiple stations. Ads in newspaper - not in classified section, maybe a page in the business section. Looking into costs of billboards.

We're in the idea phase, but an "ad plan" needs to be firmed up soon. Expect a "proposal" for a large advertising budget again this year. We still feel the only way to increase revenue from the "Fest" is to attract the "General Public". No changes will be made to the ham, vendor or general admission fees from last year.

Membership: We currently have 274 MRC Members! And 7 more to be voted in at the next meeting: please welcome KB9G Marshal / KB9IIG David / WD9BCV Martin / KS4NX Ken / KB9TIV Barbara / N9DFE Allen and KB9WAZ George to the MRC! 69 Members need to renew their dues for 2000 (please see if you're on the "Please Renew" list).

## SEVERE WEATHER RADIO

The Ham operator group at the Sullivan Weather office is trying to raise a few dollars by selling Weather Alert Radios.

This is a very nice SAME capable radio from Midland #74-200 (I've played with one). If you're considering a new NWS alert radio this season, please consider ordering it through the Sullivan Weather Amateur, Radio Assn., PO Box 167, Hartland, WI 53029-0167 \$59.95 +4.95 shipping More info can be found at: [http://skywarn.wwoc.org/swara/same\\_decoder/](http://skywarn.wwoc.org/swara/same_decoder/)

## AND THE PUBLIC SERVICE EVENT SEASON IS UPON US:

Miller Ride for the Arts June 4. Bay View Cycling Classic July 16. Trek 100 Ride June 17. MS 150 (Best Dam Bike Tour) Aug 5&6. Midnight Madness Aug 12. And others! Please listen to the Sunday night 8:00pm Public Service Net or the Monday Night 9:00pm ARES Net (on 146.670) for more information, and to sign up for these events! Field Day is June 24 and 25, and the Circus Train will be through town on July 1 and 2 (watch it via APRS!).

That's enough for now, have a great summer, and VOLUNTEER for something!!!

73 Gary

## MRC DUES

If your Call is on the following list, your MRC Dues have not been renewed for 2000. If you have no changes to your address or phone, simply write out a check to MRC, and put your call-sign on the memo line and send it in. There is no need to completely fill out an update application if you have no changes to be made. Remember that the Capital Improvement Fund is still open for donations. Since our club dues covers only the operating and mailing expenses of the MRC, we are looking for further donations from those who are able to further enhance and build the MRC machine.

2000 Dues are \$12.00.

The following members need to renew their membership as of April 23, 2000: K9VGC, KA9AIW, KA9BOF, KA9YTB, KB0PEM, KB9JBG, KB9Q, KC9EV, WA9UOD, KF9G, KF9HA, AA9SI, N9KUC, KG9FC, N9OSJ, N9PMR, N9RTJ, N9SWS, N9YKE, NK9W, W0RHP, W9BTN, W9CYI,

W9GGR, W9NZF, W9VAT, WA9AWJ, WA9LNW, WA9SZV, KB9RJI, WB9UQP, WD9CPU, WO9C, WU9E, WW9R, KB9MVD, KB9KEJ, KB9NYP, KB9NYQ, KB9POX, N0RRC, KB9RCK, K9PSX, N9JVO, KB9QZQ, KB9SIF, KB9SNC, WA9KFR, KA9OKO, KB9SXJ, KB9NCY, KB9PBJ, KB9RZO, KB9SAN, KB9TUY, KB9TZB, KA9EKG, KB9PVC, WB9MEP, KB9URF, N8ABF, N9NR, W9EH, N9RGV, KB9QZR, KB9SXI, KE9QU, KB9VGC

## MRC MEETING MINUTES MARCH 16, 2000

Meeting opened at 6:01 PM location: Wauwatosa Savings Bank in Oak Creek

N9NPB called the meeting to order Self introduction of members present  
1. N9NPB read list of new members: NF9P Carl Mueller, KB9SAQ Doug Nelson, N9YLD Roy Gebeke, KG7NM Mike Childers, KS4NY Ken Caruso, N9DFE Al Neitzel, KB9TIV Barbara (family member).

Moved by KB9RLB to accept new members, seconded by N9URZ, UNANIMOUS.

2. The newsletter published the board minutes and general membership had some minor corrections. Motion made by N9MJG to accept the minutes. Seconded by KB9LCQ UNANIMOUS

3. N9UUR gave the treasurers report: moved by N9WSN to accept, seconded by KB9ALY; motion passed unopposed.

4. Activities Director: more volunteers needed for Superfest and other activities.

5. Technical: northeast site is still down, N9NPB and other went up to site replaced transmitter with a noise problem noted; N9NPB will work on new transmitter to resolve noise problem and install next weekend.

6. Tower lease: looking for an attorney to review and rewrite lease into a form more in line with the club and to provide us with some protection. AI9X looking at possibility of other tower space at a lower cost. Currently rent will be \$150.00 per month; verbiage of the current proposed

lease is the main issue.

7. N9UUR and K9IZV proposed by law changes to the by laws concerning dues. K9IZV proposed change was removed, and a new proposal will be made. N9UUR removed his proposal, discussion and comments were made. A by law change requires a written amendment, be posted in the newsletter and voted on at the next general meeting before any change can take place. Proposal is required to be in prior to the next meeting.

8. KA9MWT moved to adjourn; seconded by N9URZ; passed unopposed.

At 10:09 PM KA9MWT moved to re-open meeting seconded by WD9HRE passed unopposed. N9NPB read list of new members: Mike N9LNE, Norm KB9QL and Tom W9FL

At 10:11 PM N9GNG moved to adjourn; seconded by N9LGE; passed unanimous.

## MRC BOARD MEETING SUMMARY MARCH 6, 2000

Board minutes for 03/06/00

Opened at 7:45pm  
PRESENT: N9UUR, KB9PHA, K9IZV, KBIASP, N9NPB, N9KWW  
LOCATION N9UUR'S qth

1. KB9PHA to produce 50 copies of the current bylaws for Kate KA9MWT for inclusion into new members packet.

2. Web site: purged old information, will update site with current events etc. as soon as possible. N9UUR will update. Still looking for web master.

3. Northeast site: Replaced transmitter, noticed noise, will work on unit and replace when complete. Yagi antenna was found deformed and damaged. Will replace with spare when transmitter work is finished

4. Bylaws: KB9PHA will publish complete set in next news letter.

5. Dues: current dues will not cover expenses; discussed 2 possible bylaw changes as presented last general

membership meeting. Fixed vs variable. Tabled.

6. Tower lease: lease needs many changes to provide club with reasonable protection from rent increases as well as other terms. Board will look for an attorney to review and recommend changes.

7. Swap net: script needs to be rewritten to resolve issues. Lloyd to write new script and present to Board.

8. Superfest: need volunteers to man table. Activities Manager will need help with other events.

9. Meeting adjourned at 11:32 pm.

reject lease in current form as it forfeits all right to tower management. In addition recommends rewrite lease and return to management for review and negotiate a new lease.

2. Activities Director has set up Superfest schedule: no volunteers other than the Board.

3. Previous board minutes reviewed and corrections made.

4. Swapfest Computer Expo: Received information on billboard advertising from two agencies; Board noted and will send to committee for inclusion into advertising plan. Request for additional information received from several vendors; will send out information. Expo will move to North Halland if more booths needed will move as needed. Board to continue to review computer expo vendors status, as payments received will budget advertising with number of vendor payments.

5. Treasurer's's report received

6. Northeast site: still in progress; will continue and replace transmitter and antenna when transmitter problem is resolved.

7. Former MRC Secretary still has material. Will review and turn over to current Secretary as each year and box are completed.

8. KB9PHA will continue to track computer expo vendors.

9. Next meeting will be on the second Monday, May 8, 2000

Meeting adjourned at 11:00 pm.

**MRC BOARD MEETING SUMMARY APRIL 3, 2000**

Board minutes for 04/03/00  
Present: N9KWW, KB9PHA, N9UUR, K9IZV, KB9ISP  
Location: KB9PHA'S QTH  
Opened at 7:45pm

1. Tower lease: KB9PHA's attorney reviewed lease and recommended Club

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

Call sign \_\_\_\_\_ Name \_\_\_\_\_ Date \_\_\_\_\_  
Name used on air \_\_\_\_\_ Class of License \_\_\_\_\_  
Telephone (home) \_\_\_\_\_ (work optional) \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Birth date (optional) \_\_\_\_\_

E-mail: \_\_\_\_\_

Dues (New & Renewal): \$ 12.00

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!

**NEWSLETTER**

Send articles, reports, comments, suggestions and corrections to Bob AA9JW or Heidi N9TUY Manak (N28 W22173 Burningwood Lane, Waukesha, WI 53186; ☎ 262 544-6151) or Internet Email rmanak@execpc.com