



July - 2002

Officers

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

President	Napoleon Hardy	NOXXL	262 497-0725
Vice Pres	Mike Borchardt	N9NPB	262 367-3953
Secretary	Tom Schulte	KB9RLB	414 529-2512
Treasurer	Gary Bargholz	N9UUR	414 355-6922
Activities Manager	Janet Wojciechowski	KB9ZAG	262 930-7421

MEETING NOTICE

July 31 (Wed) 7:00pm -- Mayfair location Topic: General business

2002 CLUB CALENDAR

September 14 (Sat) Meeting, Oak Creek

Board Meetings: Call a board member for date, time, and location of the meeting.

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. Turn left and go down the long hall. At the end of the hall find room G-110.

NOTES FROM THE PRESIDENT...

CQ FIELD DAY CQ FIELD DAY KILO NINER INDIA ZULU VICTOR FIELD DAY...

Well, a few of you had an opportunity to memorize Warren's Call Sign at this years Field Day Exercise at Kletzsch Park. It was another successful field day and a lot of fun for all attending. We had no rain during

Field Day, but it felt like it was 150 degrees in the shade. We had many volunteers bringing water to help keep everyone hydrated, and that was extremely helpful. We increased the number of contacts this year by well over 100. This year we put forth more effort in the CW mode, and they made over 300 contacts. It was actually musical to hear all of the CW operators sending code, some as fast as 35 words per minute. We have a few areas in which to improve, but overall we are continuing with incremental improvements every year. Next years Field Day will be at another park somewhere in Milwaukee County. Readiness for emergencies means practicing in a new location with different challenges each year. I hope more people will participate in the planning and organization of Field Day. It takes a great deal of effort to plan a response to a serious disaster. The more people to assist in the planning, the better prepared we are to assist local officials if we are ever asked to assist. There are many areas to provide assistance. To list just a few, Power Generation, Antenna Erection, Shelter Setup, Food and Water Supply, Public Relations and Information (to include press releases), Station Captains, Radio Setup, and many other areas. Field Day can be a great opportunity to provide valuable training. Let's increase participation in the activities that will improve our ability to respond if and when called to serve our community.

The diversity of our club has never been more evident than it has in the past 6 months. Members are doing many things that are fun and exciting. Amateur TV onboard a model airplane, quilt making, and more people coming out to enjoy the sights and sounds Milwaukee has to offer. As our membership continues to grow, there will be many new opportunities to have fun. I encourage everyone to take

advantage of these opportunities to get to know the other members. We may find we have more in common than just our love of Amateur Radio.

Field Day T-shirts are still available sizes XL to XXL. If you forgot to order, contact Janet KB9ZAG to pick up this unique Field Day shirt. Also embroidered shirts and jacket can be done also. You provide the garment and ABC embroidery will do the work. Contact myself or KB9ZAG for order information.

Let's continue to have a safe and fun summer. Don't forget about the MRC picnic in August. KB9ZAG will be organizing the food list. Anyone who would like to help with the organization of this event, please contact Janet. I am sure she would like the help.

See you on the Radio!
Napoleon NOXXL

2 CENTS WORTH FROM THE TREASURER, YET AGAIN... N9UUR

Here is some information about the upcoming Central States VHF Society Conference, which will be held right here in Milwaukee, July 26 and 27. Please consider attending. There is a dinner Saturday night, and the featured speaker will be ARRL President Jim Haynie, W5JBP. The Conference attracts people from across the country, and the 146.910 repeater has been offered as the main local information and "Talk-In" machine. So, please read over the information on the back page. Become familiar with the event and it's location, and be prepared to welcome the many visitors and travelers who will be coming to our City, and using the "Friendly One"!

Thanks and 73, N9UUR

Committees

Activities	Janet	KB9ZAG
Awards	Bob	KB9YCR
Computer Net	Gary	N9UUR
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	Board	
Swap Net	Lloyd	WB9RGO
Technical	Mike Borchardt	N9NPB
Weather	Skip	WD9HAS
Co-Webmaster	Gary	N9UUR
Co-Webmaster	Richard	K9RWE

MRC MEETING MINUTES MAY 29, 2002

Location: Mayfair Mall

Meeting called to order by club president Napoleon, NØXXL, at 715pm.

Introductions were made by all present.

New Members: A motion was made by N9GNG and seconded by N9NPB to accept the following for membership in the MRC; Dick KC9BMX, D.J. KC9AYO, Steve KC9AYN, Patti KC9AFX, Elliot KC9AFY, Gene WB9PRG, Ron KC9AQE and Ted N9KQQ. Motion Passed. Welcome new members.

Newsletter: Following corrections were made to the March 16,2002 membership meeting minutes. Under new members KB9AIW should be KC9AIW and KB9QDI should be KB7QDI. Also under vice president report, KB9ZOB should be KB9ZOT. After corrections were noted, a motion was made by N9VSV and seconded by N9RXD to accept the minutes as published and corrected. Motion Passed.

Technical – Vice President Report: Mike, N9NPB, reports that the northeast site should be back on soon now that the weather is getting better. The site has been down for the last 5 months. Mike needs to climb the tower to retune the antenna to the new link frequency. Northwest still has a problem; it can not talk to the main site. Due to the high cost of rent at the main site, Mike has been looking into a new location for it. Would like to move it to a county tower in Waukesha. Once this is done Mike believes the northwest site will be OK. He does not plan on getting the northwest site up any time soon. In order to make this move to Waukesha Mike needs to gather information from other organizations that the MRC and Amateur Radio support. Mike and Gary, N9UUR, are in the process of doing this. Main site was on battery backup due to a problem with a fuse holder. The holder is being replaced.

Financial Report: Gary, N9UUR, reports that the full roster stands at 281 with the eight new members vote in, 218 voters and 63 members in suspension. To meet this year's budget 20 more members need to renew their

dues. The accounts stand at \$14,621.44 with actual expendable funds at \$6,232.08. At this time a discussion occurred on what the cost of moving the main site would be. At this time Gary said he did not know because of the many variables such as the amount of feed line need, new radios and antennas, and the cost of a tower climber. To move a link site the cost is about \$1500.00.

Secretary Report: Tom, AB9EK, has been working on a project that requires him to go through all the newsletters from 1994 to present. It was decided at the last Board meeting that the secretary should keep a separate list of all the motions that are made at a membership meeting. By doing this we have a quick reference to things if there should be a question on something from years ago. Tom reports that he should have this completed in the next week.

Activities: Janet, KB9ZAG, Stated that the Field Day T-shirts are on sale now. The cost is \$11 for small to Xlarge and \$12 for 2x and 3x. The color is the MRC Royal Blue; same as the Banner. KB9VLS designed the Field Day shirts. There was discussion on the wording that will be under the MRC logo and N9MGJ suggested that the word "Helping" be changed to "Serving". The wording will be changed. Janet invited the Girl and Boy Scouts to Field Day. Janet and Napoleon, NØXXL are working on getting a table at State Fair Park during the fair week. The club picnic is set for August 31st at Kletzsch Park area number 8. Starting time is noon and there will be flush toilets. Janet is also looking into a possible trip to Holy Hill and a bus trip to Dayton next year. Bob, AB9FB, has made an oak board that can be used at different events which can be used to display Amateur Radio related information on it. Dick's, WB9PTC, daughter the owner of ABC Embroidery will embroider your article of clothing with the MRC logo or call sign on it. The piece of clothing must be in good taste, no leather. Contact Napoleon, NØXXL or Janet, KB9ZAG for more information.

Quilt Club: Members of the club are making a quilt with the MRC Logo and members call sign on it. The quilt will be on display at Field Day. The quilt will be raffled off at the MRC Holiday

party. Tickets will go on sale soon, cost is \$1.00 each or 6 for \$5.00. For more information contact NØXXL.

Old Business: At the club meeting in March there was a motion made about video taping of club meetings. W2ZDB was getting more information on this from the legal department where he works. The motion will be left tabled until next meeting. Warren, K9IZV, also had made a motion back in March and at this time he wishes to leave it tabled until the next club meeting. Napoleon read Warren's motion and stated it will be addressed at the next club meeting.

New Business: N9GNG made a motion and N9MGK seconded that the MRC sponsors a 2002 Field Day at Kletzsch Park picnic area number 2 the third weekend in June. Motion Passed.

- 9A.** Mike, N9NPB, stated that the club has an old circulator that we no longer need. He stated that N9KWW would like to purchase it. Mike will contact the manufacturer of the unit to get a market value for the unit. If anyone else is interested in this circulator contact Mike. Action will be taken on this at the next club meeting. Mike also stated that the club has some other surplus equipment that could be sold. Mike will make an inventory of this equipment and have it at the next meeting. This equipment will be offered to membership first and then possibly sold at a swapfest.
- 9B.** The following motions were made by N9UUR and seconded by AB9EK;
- 1) That the Club extend it's insurance liability coverage to cover the 2002 Field Day Event in Kletzsch Park, and absorb this cost.
 - 2) Authorize the treasurer of the MRC to release the 2001 Field Day Event funds (in the amount of \$328.61) to the 2002 Field Day group. Both motions passed.
- 9C.** Bob AB9FB motioned that the MRC Club sponsors a Field Day for 2003 at a place to be determined next year. Motion seconded by KB9EWG. Discussion occurred. Motion Passed, one opposed K9IZV.
- 9D.** KB9EWG and WX9CMN have a repeater on 442.475+ . They will have an upgrade net on Wednesday night at 9:00pm.
- 9E.** Warren, K9IZV reports that there are 35 people present at tonight's

meeting and told us who was here for the first time.

9F. KCØARF has a web site at www.exepc.com/~creyn. He has a map that shows the repeater frequencies from around the world. If you have any changes or additions for his map send them to creyn@wi.rr.com.

9G.Swapnet: Members of the club would like to see prices posted on the net. Right now we do not allow the asking prices to be stated on the air. The FCC rule allows prices to be listed. Janet, KB9ZAG had contacted the FCC to get a clarification on this. It was noted that at one time prices were listed and at that time the MRC got a letter from the FCC telling the club that prices could not be listed. Much discussion took place and Mike, N9NPB, suggested that this

should be taken up at the next Board meeting and then brought back to the membership at the next club meeting. No action was taken at this time.

9H. Jeananne, N9VSV, stated that the Bay View Cycle Classic has requested the use of the MRC logo. They would like to put it on the official T-shirts for the event. They consider the MRC to be a sponsor of this event. A motion was made by Warren, K9IZV, and seconded by N9PZQ to allow the Bay View Cycle Classic to use the MRC logo along with the words "Amateur Radio" above the logo. Discussion occurred. Motion Passed. Jeananne also made an announcement about the Trek 100. Contact eberman@exepc.com for more information.

A motion was made by N9RXD and seconded by N9PZQ to adjourn the meeting at 8:51pm. Meeting adjourned. Ken Boston, W9GA, spoke on the up coming Central States VHF Society convention. (See the flyer on the back page of this newsletter.) ed

Respectfully submitted,
Tom Schulte, AB9EK (Formerly KB9RLB)
MRC Secretary

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 aa9jw@amsat.org

**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) _____ ARRL Member? yes 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 members of the Badger Contesters would like to extend an invitation for you to attend the 36th annual Central States VHF Society Conference, which will be held in Milwaukee, WI, on the dates of Friday, July 26th and Saturday, July 27th, 2002. The conference location will be at the 4 Points by Sheraton, located on the South side of the city of Milwaukee, near the airport.

This will be the first time ever that a major VHF conference will be presented in the State of Wisconsin, and over 13 years since the conference was held in this area, when it occurred in Rolling Meadows, Illinois, which is near Chicago.

A large outdoor parking area has been reserved on the South end of the hotel property for the purpose of holding Antenna Gain Measurements, which will be administered by our stalwarts once again; WA5VJB and WB0TEM, with assistance from other CSVHFS 'old hands'. Noise figure measurement will also be available, including the new HP 8972 system; with W5LUA in charge and

many other experienced hands helping. We will also have available an HP spectrum analyzer, with a tracking generator, for those who would like to 'tweak' their band-pass filters.

Marc Holdwick, N8KWX, is our Technical Chairman, and is in charge of the program and the Proceedings.

Our schedule at the present includes

W5LUA	24 GHz EME - Conquered. 47 GHz EME - The Next Frontier
NA0IA	Rover Strategies
K6LEW	Spectrum "farming" issues - how the assignments are made
AA9IL	Building Microwave Equipment And Being An Artful Scrounge
N0UU	A simple HF/VHF network analyzer using the AD8302
K9VS	Wind loading and the aerodynamic center of Yagis
KJ9I	Constructing and operating 2m and 6m EME stations
WA0AUQ	Printed circuit board fabrication
K9AKS	Seven decades of VHF contesting in North America
K0SM	Meteor Scatter operation with FSK441 using the WSJT software
WA9FWD	High power cavity amplifiers for 1296 MHz using Russian tubes
N6TX	The VSA (<i>Very Small Array</i>) - Thinking big on a small scale
W0LMD	Converting TVRO dishes to amateur applications
W2RS/W3XO	The weak signal capability of the human ear
W9XT	Contest Tips, Tricks, & Techniques: VHF Contesting
K5AND	The <i>TRAMP</i> - a portable six meter amplifier
WA90	Power combining for VHF/UHF solid-state power amplifiers

This year's conference starts off on Thursday with registration in the Lobby of the Grand Ballroom of the Host hotel, the Sheraton 4 Points. Registration will be open at 4 PM, and an open Bar will be active from 6 to 9 PM for those who would like to socialize.

Friday morning at 8:00 AM, the antenna range will be underway, which is located in the parking lot area just to the south of the Sheraton 4 Points Motel. Kent Britain, WA5VJB, and Marc Thorson, WB0TEM, will be testing antennas, over the range of 50 MHz to 10 GHz. Bring your favorite project antenna and see how good your antenna really is. The rover "dog-pound" will also be located nearby, so check it out.

Friday afternoon, at 1:00 PM, the technical program will get underway, with a full schedule of speakers on many topics giving their presentations. This slate of programs will take place in the Grand Ballroom of the Sheraton. These will run until about 5:00 PM, with a mid afternoon break included. Concurrently with the presentations, a noise figure clinic, hosted by Al Ward, W5LUA, with Tom, WA8WZG and Ron, KA0RYT assisting, will be active in the adjacent meeting hall; so bring your favorite preamp along! There will also be a HP Spectrum Analyzer with Tracking Generator set up to allow you to check the passband of your filters.

Friday evening will have the usual great flea market, held in the same room that the Noise Figure clinic is being held. This event is planned to start at 7 PM, which should give you plenty of time to eat at one of the nearby restaurants, or in Harold's, which is the 4 star restaurant located in the Sheraton. Although never formally announced, it is customary for the SNOTTS membership to gather at midnight, and thanks to some hospitality suites, the meeting place is available.

Saturday Morning, the technical program will resume at 8:30 AM, in the Grand Ballroom of the Sheraton. These will run for the entire morning, with a short break at mid-morning. After a lunch break, at 11:30 AM, the talks will resume at 1:00 PM, and will conclude around 3:00PM. We will then hold our annual business meeting, in order to elect new directors, and cover any other important topics of interest to the CSVHFS membership.

The technical programs will end on Saturday afternoon, to be followed in the evening with a cash bar at 6:00 PM, followed by our traditional banquet at 7:00 PM, with awards presentations, a speaker, and the usual great prize "drawing". This year, we are privileged to have the **President of the ARRL: Jim Haynie, W5JBP** as our main speaker. He will be talking about the state of our hobby, and the part that we as VHF aficionados can play in helping to increase our membership.

We encourage you to pre-register, as the conference fee of \$37 will increase by \$5 to a fee of \$42 at the door. This conference fee does include the \$5 yearly membership dues, which are a requirement for attendance at the conference.

I encourage you to attend and to join the society if you are not already a member. Please also be sure and stop by the CSVHFS web site at www.csvhfs.org for up-to-date news and plans regarding the conference.

We sincerely hope you can join us.