

Minnesota Repeater Council



Fall 2002 Newsletter

Founding Member: National Frequency Coordination Council

MRC Officers:

Chair

Steve Glatzel, KØFHC
16200 62nd Street NE
Otsego MN 55330
sglatzel@aol.com
763-441-0985

Vice Chair

Dan Swee, NØFKM
4250 Tyler St NE
Columbia Heights MN 55421
nØfkm@amsat.org
612-363-5079

Secretary Treasurer

Jerry Dorf, NØFWG
1402 Pulaski Road
Buffalo MN 55313
jerryd@jerryd.net
763-682-2169
952-473-5819 Fax

Appointments

Frequency Coordinator

Paul Emeott, KØLAV
3960 Schuneman RD
White Bear Lake MN 55110
kØlav@arrl.net
651-429-5040

Technical Committee

Brad Ornes, KAØSQO

User Liaison

TBD

**The Fall MRC
Meeting will be
held Saturday
October 26, 2002
at 12:30 PM**

**11:00-12:00 Social Hour
Pizza & Beverages
will be provided**

**11:30 -12:30 Registration
12:30 Call to order**

Room 205
St Paul Technical College
235 Marshall Avenue
St Paul MN55102
Park in the STUDENT lot
(194 and Marion Ave)
This is the site of the Twinslan
summer hamfest.

HAMFEST MINNESOTA & COMPUTER EXPO

8:00AM to 4:00PM

On the same day at Touchstone
Energy place at RiverCentre,
St Paul MN for more info:
<http://www.hamfestmn.org>

Short Message from the Chair

In the last 6 months since our Spring meeting in Duluth/Superior the MRC has made great advances getting back in contact with both members and non members. Our upcoming meeting should bring us back to where the MRC was years ago. There are still some things that need to be worked on, one of them is tone encoding and decoding, many people that live or work in congested areas could make use of decode on radios to eliminate interference. With where amateur/commercial radios have developed to today I can find no reason that repeaters should not be transmitting tone (pl, dpl, cg, etc). In the future coordination request and yearly update it will be an item that will be addressed, that is, what tone do you decode and what tone do you encode, if not explain why. Coordination will be changing, closer spacing may be required. Making use of spectrum as it has been done in the past will be gone, more frequencies will be shared in order to make allocations for more repeaters to use. We will be pulling coordination from repeaters that are not on the air or just on the air at times we (MRC) have meetings. Our policies will need to be rewritten, more forms will be available on the web site. Meetings have been held by independent groups between regular MRC meetings, we will have brief reports from them at the fall meeting. The secretary and frequency coordinator went to the Wisconsin Association of Repeaters meeting in Eau Claire this summer to observe what is being done in that state, the secretary also attended repeater coordination meetings at the Dayton hamfest.

Continued on Page 2

Editorial from the Vice Chair

This past year has brought some improvements to the MRC, while some things have remained the same. There were many complaints with the MRC, its rules, the way things are done, and the way things were not done. Access to information has been a problem. Getting the proper forms for coordination. Just getting a response from the Frequency Coordinator has been a problem. Most of the complaints I have heard are about the Coordinator or the lack of coordination. This problem still exists. 13 years for 1 person is too long. We need new blood for this position.

With the Internet and computers bringing knowledge and access of information, we really have no excuse for impeding the process for coordination. This past year I have been fielding complaints of the coordination process and of the Frequency Coordinator. At our last meeting and at the one before, Paul Emmeott indicated that it was a lot of work for one person, and I understand it is too much for any one person. I believe it makes more sense to have a small group of people handle our coordination needs for Minnesota. A P.O. Box for letters should be used, and this might help eliminate those "lost requests". An on-line database for much of the information could be useful. A downloadable for off the Internet is needed. Currently we have no "check and balance" system in place to see that the coordinator is not doing favorites for his buddies. If a group were to handle the process, this would be much less likely.

One qualification for this coordination body would need to be unbiased. Secondly to be fair. Also, we need to make sure all information can be made available to the members of the MRC. This would eliminate any possible manipulation of records for personal gain. We need to insure the respect for other modes of ham radio, not just a "repeater".

At last meeting a motion was passed to accept the band plan that was proposed by Doug Reed N0NAS. Paul Emmeott indicated he could not coordinate some of the requests according to the new band plan until Wisconsin accepted it. I received an email form on of the committee members a day after the meeting, and he said Paul did mentioned the band plan, but said the MRC was still working on it and had nothing to show to Wisconsin. Here we are, 6 months later, and still no progress. It is Bias like this that has no place in the MRC. Lets move forward with Frequency Coordination Committee now. I hope to see all of you at the fall meeting.

Dan Swee
N0FKM
MRC Vice Chairman

Message from the Chair continued from page 1.

We will hear from them about what goes on at other coordination meetings. The fall meeting is being held at a location away from a hamfest because of concerns with admission and parking. The fall meeting will be at the Saint Paul Technical College, the site of the TAILGATE SWAPMEET. The MRC will be providing pizza and beverages before the start of the meeting, more information about that in this mailing. Parking will be provided by the MRC.

Steve Glatzel, K0FHC
MRC Chairman

Coordinators Report

Annual update request forms will be mailed in October, please return them by the end of November to be included in the 2003 ARRL Repeater Directory. Or bring them with you to the Fall meeting.

Secretary - Treasurers Notes:

In order to help make my job easier and lower the stress level before the meeting, I would like everyone to follow a few simple steps. It is much easier to resolve any issues in advance than at a meeting. I can spend more time to help come to a resolution.

1. Check your envelope for your membership status. If you need to pay dues, please fill out the membership form before bringing funds to the table. Or mail the application!
2. Membership or contact information changes.
3. If your sending a delegate please fill out a proxy form. If it is not completed or on file your representative will not be allowed to vote on your behalf. If there is any questions again feel free to make contact in advance.

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MRC Resources on the Internet

MRC Webpage <http://www.mrc.gen.mn.us>

MRC Mailing list:

This mailing list is for announcements and general discussion of MRC events, policy and operations. Currently it is un-moderated and open to all. Sign up at:

<http://mailman.qth.net/mailman/listinfo/mrc>

MRC Technical Committee Report

Final Proposed Interference solution for 224.500 444.000 repeaters

This is a final proposed Interference solution for the NØFKM 224.500 and WBØBWL 444.000 repeaters that reside on the Colombia Heights water tower in Colombia Heights MN. If both repeaters are to continue to reside in the same location a resolution should be reached between both repeater owners. This issue stems from a second harmonic that is being generated by the 224.500MHz repeater output and causing interference to the 444.000/449.000 repeater at the same location. Both repeaters have been found to be within the listed coordination and both appear to be technically sound.

A possible solution would be for both parties to come to a resolution to solve the issues such as shutting down the 224.500 repeater during Tuesday and Saturday evenings and discontinue the use of a link transmitter that has been in use in the lower UHF portion of the ATV band. If this is not acceptable or feasible then some mechanical and electrical modifications should be explored. One such modification would be the use of Andrews or similar type 1/2 inch hardwall or "superflex" interconnecting cables for the 224.500 repeater along with a bandpass filter on the transmitter side of the repeater. The goal is to reduce or eliminate the second harmonic (224.5x2=449.0) Another solution would be to relocate or split one of the repeaters from the site, eg relocate the 224.500TX or 444.000RX to another location and link back using 900MHz. This also presents a technical challenge and requires more equipment.

I feel the best resolution to this issue would be to install a filter to reduce or eliminate the second harmonic on the 224.500 repeater output. This seems to be the core issue however a complete resolution short of moving equipment may not be possible. I would also recommend changing or elimination of the 440 link transmitter that has been inside the ATV band. I don't know the specifics of this transmitter or if it is still on the air at the present time however numerous complaints have been generated due to its use. I feel that all UHF linking transmitters be carefully coordinated outside the fringes of the UHF ATV band or remove the designation "simplex" on the 426-432 MHz ATV channel to help open up UHF link channels. This will mean the loss of ATV simplex however the output ATV channel could be used as the "talk around" for simplex operation when the ATV repeater is not needed. This would also eliminate some expense for ATV operators that is beyond the scope of this text.

Final Draft 09-15-02

Recommendation for De-coordination of the 147.060 KØHPY Repeater

I would like to recommend the de-coordination of the 147.060 KØHPY repeater of Colombia Heights MN and place the pair back to the repeater pool for future coordination or re-coordinate this pair to the Stillwater Repeater Group. As of 9-15-02 the KØHPY repeater has been off the air since early June 2002. I had performed a QSO with several other local hams in the area, NØYN being in an official capacity (son) and we performed this QSO on 6-22-02. Shortly after this time the repeater had gone silent once again. I tried using all of the standard CTCSS tones to the input in an attempt to key the repeater however this failed. I don't have an exact date however it was shortly after I performed the official QSO for the record and this was still within the month of June. I have monitored the repeater during daylight hours for a CW ID and have heard nothing, I must conclude that the repeater is off the air. Due to the intermittent nature of this repeater I feel the resource would be better used by another repeater owner or group.

Discussion on 147.060 from the Spring meeting at the Duluth / Superior hamfest On May 4, 2002: A motion was made to send the trustee a letter giving Lee KØHPY 90 days to vacate the frequency or return a repeater to the air that meets the MRC policies. It was also suggested that the Stillwater Radio club contact NØHPY to indicate their desire to obtain this frequency and ask if he will surrender it voluntarily. Motion was seconded and passed. At this time the 147.060 repeater has not demonstrated that it meets the MRC policies and has exceeded the allotted timeframe. I feel that the MRC has been more than generous to this issue and the time has come to re-coordinate the 147.060 pair.

The Stillwater Repeater Group has expressed interest in the pair so they could vacate the shared non-protected pair. It is my feeling the 147.060 pair should be re-coordinated to the Stillwater Group before or shortly after the Minnesota Repeater Council meeting that is set for late October 2002.

Final Draft 09-24-02

Brad Ornes KAØSQO
Chairman, MRC Technical Committee

Minutes of the Minnesota Repeater Council

Spring meeting at the Duluth / Superior hamfest On May 4, 2002

Call to order by Steve Glatzel, K0FHC at 12:05 PM.

Introduction of officers & members where made.

Thank you to the Arrowhead Amateur radio club.

Jay Bellows, K0QB introduced himself and the services of the ARRL.

Motion was made by Doug Reed, and seconded by David Kendal to re-adopt the bylaws and constitution of the MRC. There was a question about any changes that might have been made. Motion Passed.

Secretary & Treasurer's report:

Reports presented to membership in written form.

The MRC is now a Minnesota non-profit corporation; Walter Baker N0KNP has donated his services to get registered. It was suggested that the secretary send a thank you letter.

Frequency coordinator: Paul Emeott, K0LAV

Brief report made, there are several non-coordinated repeaters operating in the state. Paul stressed the benefits of being coordinated and that it is a 2 way street.

It was also mentioned that there is another uncoordinated repeater operating on 146.67

Motion was made, and seconded to accept all reports. Passed

New Members:

Due to the inactivity of the MRC, there have been numerous changes in trustee's and new membership applications made. The secretary read a list of new members that meet the membership requirements and one new application that does not meet the requirements. A motion was made to accept the membership roster with the new members with the exception of the one. Passed

Doug Reed made a motion to make a donation of \$100 to Al Waller for hosting the Internet mail list. Seconded by Dave Kendal. Motion passed

Old Business

Repeater De-coordination Paul Emeott

There are 3 coordinated repeaters in Minnesota that do not meet the coordination policies that are in place.

147.345 in St Michael, all mail to the Trustee has been returned Forwarding Order Expired and there is no repeater in operation on the frequency.

146.640 in Minneapolis, Honeywell radio club. The trustee has not responded to mail, the repeater is not in operation at the coordinated location.

147.060 Columbia Heights, The repeater has not been in operation for over 2 years. The Trustee K0HPY has received & signed for registered mail. A response was received stating the repeater is now on the air, what appears to be in operation is a beacon. Beacons do not meet the definition of a repeater.

147.345 is only usable in the Northwest corner of the metro area.

146.640 would be usable only in the north metro due to other repeaters. This frequency would be usable by the Cambridge club that has a request pending.

147.060 is ideal for the Stillwater Radio Club that has request pending and is currently operating a repeater on the Shared Non Protected pair.

Each repeater will be acted on and voted independently:

Motion to de-coordinate 147.345 was made, seconded and passed.

Discussion on 146.640: Brad Ornas KB0SQO, Spoke for the Honeywell ARC, he is currently operating a repeater on this pair at a similar location to the original coordinated system.

A motion was made to give Brad Ornas 30 days to provide the following documentation to the coordinator to avoid de coordination: Get a sharing agreement with the Winona and Fairmont Trustee's. Prove that there is still a Honeywell Radio Club by an official of the club or company. Motion was seconded and passed.

Discussion on 147.060: A motion was made to send the trustee a letter giving Lee K0HPY 90 days to vacate the frequency or return a repeater to the air that meets the MRC policies. It was also suggested that the Stillwater Radio club contact N0HPY to indicate their desire to obtain this frequency and ask if he will surrender it voluntarily. Motion was seconded and passed.

Band Plan changes:

Doug Reed, N0NAS proposed the following changes to the MRC bandplan:

1. Remove the designation "simplex" on the 426-432 MHz ATV channel. This will allow it to be used for simplex or as a repeater input or output frequency.
2. Add "Shared Non-Protected" to the description of the 921-927 MHz ATV channel.
3. Specify 60 mile protection radius for repeaters in the 902 and 1240 MHz bands except ATV repeaters get 30 mile protection radius.

Motion was made, seconded and passed.

1200Mhz Band plan changes:

Specify one FM-ATV frequency at 1250 MHz. This may be used as an input, output, or simplex frequency. Specify 60 mile protection radius for repeaters in the 902 and 1240 MHz bands except ATV repeaters get 30 mile protection radius.

Concern was expressed with regards to Wisconsin's band plan and the proximity of the Minneapolis area to the boarder.

A motion was made to accept the proposed changes contingent upon approval of the Wisconsin Repeater Council. Motion was seconded and passed.

Coordination Certificates: Motion was made to allow the coordinator to print and distribute a "coordination certificate" when a trustee returns the fall update request. Motion was seconded and passed.

Appointments:

User Liaison: No volunteers, position remains open and is tabled till the fall meeting.

Technical Committee: Brad Ornas volunteered, however there are still positions open.

Interference Committee: Positions are available.

If your interested please contact the chairman.

Bylaw revisions: Jerry Dorf proposed reviewing the bylaws and updating some wording to conform with the current technology. Paul Emeott and Jeff will meet and make some proposals and report back at the fall meeting.

Reuben Ruen made 3 motions in writing as copied below:

MOTION: It is impossible for the Minnesota Frequency Coordinator to do his job properly when he does not have up to date information from each and every assignee. Poor response to mailings requesting information by the coordinator shows the need to put some teeth into his information requests.

In some cases the requests are not returned because the assignment is not on the air and the assignee has moved out of state. It is therefore not unreasonable for the coordinator to assume that no response is an indication of an unused/inactive assignment.

I move that after receiving no response to two mailings requesting current information, the coordinator may at his discretion initiate de coordination proceedings on that basis.

It must be pointed out that some repeaters bear an "honorary" call sign of a member who has no intended responsibility to the operation of that repeater. This has two disadvantages.

1. The burden of responsibility of proper the operation of the repeater DOES FALL ON THAT PERSON. He many not know that or want that responsibility.

2. The coordinator properly attempts to communicate with the person responsible for the operation of each assignment. In some cases then, the person who's call sign is on the repeater may ignore mailings to him, because he feels no responsibility to its day to day operation or coordination.

Non-response to the coordinators requests for information is not acceptable.

Keeping the coordinator updated on contact addresses (US Mail and E-Mail) is essential and is required for continuation of coordination's.

Motion was seconded: During discussion, this motion was tabled till the fall meeting.

MOTION: On occasion the Minnesota Frequency Coordinator may in spite of his best efforts make a coordination error resulting in unexpected interference to existing coordination's. In such situations, it shall be the RIGHT and DUTY of the coordinator to correct the error.

The coordinator shall then de-coordinate the interfering repeater or link and re coordinate it on an acceptable frequency. De-coordination in this case shall require majority approval by the MRC officers and one or two members of the technical committee. However it need not be voted on by the entire MRC as with normal de-coordination.

In the event that the re coordination action involves a frequency assignment to a MRC officer or person on the technical committee, he shall abstain from voting on the matter.

This shall be done in a timely fashion to minimize the period of interference due to the coordination error.

This shall apply retroactively to coordination's made prior to the acceptance of this motion by the MRC.

Attempts should be made to minimize cost and inconvenience to the person required to change frequency. He may apply to the MRC for re-imbusement for the cost of replacement crystals. He may also apply to the MRC technical committee for aid in retuning his cavities and duplexers.

It should be noted that uncoordinated repeaters causing interference are subject to FCC action.

Motion died due to lack of a second. No action taken

MOTION: In approving frequency assignments, the MRC Frequency Coordinator shall be alert to possible interference with near-by assignments, especially harmonic relationships. For example, many 223/224 repeater outputs have second harmonics which fall with-in the band pass of the receivers of 442 to 444 repeaters.

In considering this motion, the MRC should suggest what would be a minimum safe geographic separation between harmonically related assignments. I will suggest a one-mile separation. Experience may show the need to revisit this matter.

Since present rules allow a repeater to move 2 miles from its present coordinates, without re coordination, 4 miles must be added to the above determined minimum separation.

Motion was seconded, during discussion it was tabled for review by the technical & interference committee.

Stale Checks: Discussion on how to handle the stale checks that where not processed. Any check over 6 months old is considered stale and risks being returned with a \$5 fee. After some discussion it was decided that the secretary treasurer will return the stale checks back to the payee for replacement.

Fall Meeting will be held in the Metro area, location to be announced in the fall newsletter. This will be the annual meeting with election of officers.

Meeting Adjourned at 2:00pm

Jerry Dorf, N0FWG
Secretary Treasurer
Minnesota Repeater Council, Inc

Secretary - Treasurers Notes: Continued from page 2

The MRC has made progress in the past year, however we need to continue making improvements. Change does not happen overnight, I will continue to make progress in bringing the MRC up to current standards.

All of the current officers have indicated a desire to continue in their present offices.

Stale Checks: All old checks where returned to the payee, most have been replaced. However some are nonrecoverable.

Internet email list has been working well over the last several months. More forms will be available online as time permits.

The online repeater directory was created in July from the MRC database and placed online.

I attended the NFCC meeting at Dayton along with the WAR meeting.

I made some suggested bylaw changes to Paul Emeott, who made the proposed revisions.

The membership database and other MRC forms have been updated and will continue to be updated.

I look forward to working for the membership of the MRC for another year.

Jerry Dorf, N0FWG
Secretary Treasurer, MRC

Minnesota Repeater Council Checking Account

Date	Number	Name	Debit	Credit	Balance	Comments
3/21/2002	DEP	Transfer From US Bank Account		\$3,000.00	\$3,000.00	
	DEP	ARRL Repeater Directory 2001		\$285.00	\$3,285.00	
	DEP	Marshall Radio Club		\$15.00	\$3,300.00	Dues to 2002/Replace Stale Check
3/25/2002	93	Office Depot	\$17.03		\$3,282.97	Check Endorsement Stamp
3/26/2002	94	Office Depot	\$335.48		\$2,947.49	Newsletter Printing
3/27/2002	95	Postmaster	\$115.85		\$2,831.64	Postage Newsletter & Misc
4/3/2002	DEP	Owatonna Steele County ARC		\$40.00	\$2,871.64	Dues to 2005
	DEP	Smarts Radio Club		\$20.00	\$2,891.64	Replace Stale Check
	DEP	Tomas Carlson		\$10.00	\$2,901.64	Replace Stale Check
	DEP	Si Simonson		\$10.00	\$2,911.64	Dues to 2002
4/6/2002	DEP	Christine Tetzaff		\$10.00	\$2,921.64	Replace Stale Check
	DEP	Jeremy Zachau		\$20.00	\$2,941.64	Dues to 2003
	DEP	Stephen Lynn		\$20.00	\$2,961.64	Dues to 2003
	DEP	Thomas Strum		\$30.00	\$2,991.64	Replace Stale Check
4/9/2002	DEP	Dean Boelter		\$30.00	\$3,021.64	Dues to 2002
	DEP	Bob Fritz		\$10.00	\$3,031.64	Dues to 2002
	DEP	Bob Gizussendof		\$10.00	\$3,041.64	Dues to 2002
4/10/2002	RET	Returned check + \$5 Service Fee	\$45.00		\$2,996.64	Owatonna Steele County ARC
4/12/2002	DEP	Runestone Radio Club		\$10.00	\$3,006.64	Dues to 2002
4/15/2002	DEP	Weldon Hogie		\$30.00	\$3,036.64	Replace Stale Check
	DEP	Steve Carlson		\$10.00	\$3,046.64	Membership to 2002
4/26/2002	DEP	Owatonna Steele County ARC		\$45.00	\$3,091.64	Replace returned check & Fees
	DEP	Gary McDonald		\$100.00	\$3,191.64	Replace Stale Check
	DEP	Viking A.R.S		\$30.00	\$3,221.64	Replace Stale Check/Dues to 2002
5/1/2002	DEP	US Bank		\$1,376.58	\$4,598.22	Close US bank Account
5/4/2002	2001	Paul Emeott	\$66.32		\$4,531.90	Coordination expenses
5/4/2002	2002	QSL-Net	\$100.00		\$4,431.90	Email Mail List donation
5/6/2002	DEP	Twin City FM CLUB		\$10.00	\$4,441.90	Dues to 2002
	DEP	John Czech		\$10.00	\$4,451.90	Dues to 2003
	DEP	Janet Robidoux		\$20.00	\$4,471.90	Replace Stale Check
	Dep	Reuben Ruen		\$10.00	\$4,481.90	Replace Stale Check
	DEP	H. R. Clough		\$30.00	\$4,511.90	Replace Stale Check
	DEP	Anoka County ARC/ Paul Shepardson		\$20.00	\$4,531.90	Replace Stale Check
	DEP	Bruce Bjorklund		\$10.00	\$4,541.90	Dues to 2002
	Dep	Bruce Bjorklund		\$10.00	\$4,551.90	Replace Stale Check
	Dep	Donald Huck		\$10.00	\$4,561.90	Dues to 2002
	DEP	Donald Huck		\$10.00	\$4,571.90	Replace Stale Check
	DEP	David Kleindl		\$10.00	\$4,581.90	Replace Stale Check
	DEP	David Furman		\$10.00	\$4,591.90	Dues to 2003
5/9/2002	2003	Walter Baker PA	\$70.00		\$4,521.90	Incorporation Fee
5/9/2002	DEP	New Ulm ARC		\$40.00	\$4,561.90	Dues to 2004
	DEP	Faribault Radio Club		\$10.00	\$4,571.90	Replace Stale Check
	DEP	Marshall Radio Club		\$15.00	\$4,586.90	Replace Stale Check
	DEP	Wallace Erickson		\$5.00	\$4,591.90	Replace Stale Check
	DEP	Wallace Erickson		\$5.00	\$4,596.90	Newsletter to 2002
5/11/2002	Dep	ARRL Repeater Directory 2002		\$286.00	\$4,882.90	ARRL Repeater Data usage
5/14/2002	Dep	Michael Schwendeman		\$20.00	\$4,902.90	Replace Stale Check
	Dep	Dalas Buchholz		\$10.00	\$4,912.90	Replace Stale Check
	Dep	Thomas Carlson		\$20.00	\$4,932.90	Replace Stale Check
5/23/2002	DEP	Worthington ARC		\$10.00	\$4,942.90	Replace Stale Check
	DEP	Jeffery N Clarine		\$10.00	\$4,952.90	Assoc Membership to 2003
5/25/2002	DEP	New Ulm ARC		\$40.00	\$4,992.90	Dues to 2005
6/4/2002	DEP	MN Valley Repeater Assoc		\$10.00	\$5,002.90	Dues to 2002
	DEP	East Side Shope/ Allen Hertzberg		\$20.00	\$5,022.90	Dues to 2003
6/11/2002	Dep	Keith Mobarry		\$10.00	\$5,032.90	Assoc Membership to 2003
	DEP	Michael Langer		\$10.00	\$5,042.90	Replace Stale Check
6/25/2002	DEP	Winona ARC / Richard Kolter		\$30.00	\$5,072.90	Dues to 2006
7/9/2002	DEP	John Johnson		\$10.00	\$5,082.90	Replace Stale Check
7/30/2002	DEP	Fred Pfeiffer		\$30.00	\$5,112.90	Dues to 2005

Proposed changes to the Bylaws

BY-LAWS OF THE MINNESOTA REPEATER COUNCIL

ARTICLE I. NAME

The name of the organization shall be:

MINNESOTA REPEATER COUNCIL INC.

ARTICLE II. MEMBERSHIP

Applications for membership, *in this council, should be made on a membership application provided by and processed by the Secretary/Treasurer. Completed applications shall be classified by the Secretary/Treasurer as to type of membership, and presented to the Council at the next regular meeting following receipt of the application. All applications for membership* ~~It~~ shall be approved/disapproved by a simple majority vote of the Council members.

Upon approval of a new member they shall be seated on the Council as a member in good standing if they meet all of the qualifications to be an “active member”.

Applications for membership rejected by the Council shall be returned to the requester with notification *of why the application was rejected.*

Membership, in this Council, shall be classified as follows:

- A. A **Regular Member** shall be any organization or individual, *holding an Amateur Radio License, operating at least one radio repeating system coordinated by the MRC, that is operating according to the Technical Standards as outlined in Article XI of these by-laws. The holder of the frequency coordination for a repeater is by default defined as the Regular Member to which all contacts are made.*

Regular members shall only be considered an “active Regular members” when their required MRC membership dues are currently paid in full *and/or their repeater system coordination data is no greater than two (2) years old. If a Regular member is deemed to be inactive, due the lack of paid up dues and no current frequency coordination data, the Secretary/Treasurer shall change the status of this Regular member to that of an Associate member. The Regular member can change his/her status back to “Active Regular member” by paying all dues and assessments in full and providing up-to-date repeater coordination data to the MRC Frequency Coordinator.*

- B. An **Associate Member** shall be any organization or individual, holding an Amateur Radio license, and displaying an interest in constructing or operating a Amateur Radio repeater station. *An Associate Member shall be assessed an annual fee to cover the costs of supplying the MRC Newsletter, meeting notification and minutes.*
- C. One **User Liaison Member** shall be selected, by simple majority of the regular member organizations, to represent the FCC licensed Amateur Radio operators that use repeater stations.

~~The repeater trustee of each Regular Member shall submit, on an approved Delegate Registration Form, the name of the primary delegate and, optionally, the names of no more than two (2) alternate delegates who shall speak and/or vote on behalf of the Regular Member at the next regular meeting. Delegate Registration Forms will be sent with each meeting notice.~~

Proposed changes to the Bylaws

~~A primary or alternate delegate shall represent no more than two (2) Regular Members.~~

~~Regular Members who are not represented by a primary delegate at a regularly scheduled meeting shall have no vote at that meeting.~~

ARTICLE III. RIGHTS OF MEMBERSHIP

- A. **Regular Membership** in the Council entitles the member to a voice in the structure, policies, actions and recommendations of the Council and to *one* a vote on such actions that may come before the Council. ~~through their delegate appointed by the member.~~ *A Regular member must meet all of the “active” qualifications, described in the membership description of these By-Laws, to vote.*
- B. An **Associate membership** shall *have a voice in the structures, policies, actions and recommendations of the council but shall be limited only by the deletion of voting privileges.*
- C. The **User Liaison** shall have *one* a vote *in the structures, policies and recommendations of the Council*, representing the *repeater user’s* voice in Council matters.

ARTICLE IV. ~~(Deleted)~~ PROXY VOTING

Regular members, who are the “trustee of record” and person holding the frequency coordination for a MRC coordinated repeater system ,can attend a council meeting and vote on all matters before the council.

If the regular member is not able to attend a meeting, he/she may appoint an alternate delegate who may speak and/or vote the one vote held on behalf of the regular member at the next meeting. A written proxy voting form, which will be attached to each meeting notice, must be completed and signed by the regular member to identify the appointed delegate(s) to this meeting.

A delegate, voting with a proxy, shall represent no more than two(2) regular members.

ARTICLE V. OFFICERS

- A. The officers of the Council shall be:

Chairman
Vice Chairman
Secretary/Treasurer

- B. Officers of the Council shall be selected from the *regular* membership and shall be voted on by the Regular Members of the Council at the Annual meeting.
- C. The terms of office of all elected Officers shall be one (1) year or until replaced.
- D. The first order of business, upon adoption of this Constitution and By-Laws, shall be an election of officers, commencing with that of Chairman.

ARTICLE VI. DUTIES OF OFFICERS

- A. Chairman – Preside at all meetings. Administer the affairs of the Council. Appoint all Committees. *The Chairman shall be the representative for the Council on all organizations of which the MRC is a member (currently MACC & NFCC)..*
- B. Vice Chairman – Assist the Chairman in the discharge of his/her duties and assume the duties of the Chairman in his absence.

Proposed changes to the Bylaws

- C. Secretary/Treasurer – Maintain the records of the Council. Maintain a file of all official Council correspondence. Prepare necessary meeting notices. Distribute written minutes of the Council meetings to all Council members. Maintain the financial records of the Council. Collect all fees, dues and assessments of the Council. Distribute all monies, as required, retaining copies of all bills, vouchers and receipts to substantiate such distributions.

ARTICLE VII. COMMITTEES

- A. Committees, as required, shall be appointed by the Chairman. *The Chairman “by default” is a member of all appointed committees.*

ARTICLE VIII. MEETINGS

- A. The election of Officers shall be held at the Annual meeting (normally the Fall meeting).
B. *At least one meeting, of the Council, shall be held per calendar year at a place/time selected by the Chairman.*
C. Special meetings shall be called as directed by the Chairman.
D. Meeting notifications shall *be printed or sent mailed*, in writing, to all Council members *at least 30 days before the scheduled meeting. The notification can be sent by mail or by electronic means. The lack of all members receiving a meeting notice shall not make a scheduled meeting void.*
E. Roberts Rules of Order shall determine conduct of all meetings.
F. Balloting, *on any matter that shall come before the Council*, shall be taken on the basis of one vote for each Regular Member *and for the User Liason.*

ARTICLE IX. FEES, DUES AND ASSESSMENTS

- A. Fees, dues, assessments and disbursements, *which will change from time-to-time*, shall be as directed by the Council.

ARTICLE X. QUORUM

A quorum shall consist of twenty five (25) percent (%) of the “Active” Regular Members of record at the start of the meeting. Forty percent (40%) of the members *present at a Council meeting* must represent a *coordinated repeater organization* outside the Metro Zone. (The Metro Zone is defined as the following seven counties in Minnesota: Ramsey, Anoka, Hennepin, Dakota, Carver, Scott and Washington).

If a quorum is present when a duly called or held meeting is convened, the Members present may continue to transact business until adjournment even though the withdrawal of Members originally present leaves less than the proportion otherwise required for a quorum.

ARTICLE XI. TECHNICAL STANDARDS

(See the published MRC Technical Standards)

ARTICLE XII. FREQUENCY COORDINATOR

The Frequency Coordinator *shall be* appointed by the *elected* Officers of the MRC *with the approval of* ~~and is approved by~~ the MRC and should be selected according to the following guidelines:

1. Have been a member of the MRC as a Regular or Associate Member for at least three (3) years prior to the day of his or her appointment.
2. Have demonstrated administrative skills in some capacity.
3. Be able to express himself or herself clearly in verbal and written form.
4. Be capable of being impartial in administering the Frequency Coordination Policies established by the MRC.
5. Be a licensed Amateur Radio Operator with at least a Technician class license for a minimum of five (5) years.

Adopted 11/73

Re-typed in Microsoft Word 12/01

With changes proposed 7/02

Legend *New additions*

~~Deletions~~

Minnesota Repeater Council

Membership and Renewal application form

Name of organization or individual sponsor: _____

Repeater Call: _____ Frequency(s): _____

Repeater Location(s): _____

Trustee information (MRC Main Contact).

Trustee Callsign: _____ Name: _____

Phone: _____ Address: _____

Email: _____ City: _____

Other: _____ State: _____ Zip: _____

Club or alternate contact/mailling address.

Callsign: _____ Name: _____

Phone: _____ Address: _____

City: _____ State: _____ Zip: _____

Type of Application: Renewal New membership Trustee Change Database Update

- Regular Membership
Dues \$10.00 year
Organization or individual who is operating a FCC licensed Amateur Repeater station on a frequency coordinated by the MRC. Has one vote at all meetings. Receives all mailings.
- Associate Member
Dues \$ 5.00 year
Organization or individual with a active interest in constructing an Amateur Radio Repeater station or in the activities of the MRC. Can participate in the activities of the MRC but has no vote.
- Newsletter
Receives one copy of MRC newsletter for 1 year. Dues \$ 5.00
Or download for free from the MRC webpage

Signed: Repeater Trustee/Regular Member

Date: _____

Mail all Applications and dues to:
Minnesota Repeater Council
Jerry Dorf, N0FWG Secretary/Treasurer
1402 Pulaski Road
Buffalo MN 55313
763-682-2169 Voice 952-473-5819 Fax
jerryd@jerryd.net

of years Paid: _____
Total Amount: _____
Check #: _____
Name on Check: _____

Other Info: _____

Membership Approval Granted: _____ Date: _____

Dues Paid for: 2002 2003 2004 2005 2006 2007 2008 2009 2010

Revised 03/2002 jkd

Agenda
Minnesota Repeater Council General meeting
Fall 2002

I. Call to order 12:30 PM

- A. Welcome
- B. Introduction of officers and members
- C. Review Agenda

II. Reports

- A. Secretary & treasurer report, NØFWG
- B. Frequency coordinators report, KØLAV
- C. Technical Committee

III. Applications for membership

IV. Old business

- A. Repeater de-coordination
- B. Bandplan committee
- C. Appointments
 - 1. User Liaison
 - 2. Interference committee
 - 3. Technical committee
- D. Bylaw change proposal
- E. Tabled motions from Reuben Ruen
 - 1. Possible de-coordination after 2 no responses for information.
 - 2. consideration of harmonics at site for coordination
- F Other old business

V. New business

- A. Bylaw changes / review committee
- B. Other New business

VI. Election of Officers

- A. Nominations
- B. Elections

VII. Next Meeting location, Non-Metro

VIII. Adjournment

If anything needs to be added, or you wish to add an item to the agenda please notify the secretary in writing 1 week prior to the meeting. Any reports or items that need to be presented to the membership should be also presented as to be included in the meeting informational packet.

Thank You

Secretary Treasurer

Jerry Dorf, NØFWG
1402 Pulaski Road
Buffalo MN 55313
jerryd@jerryd.net
763-682-2169
952-473-5819 Fax

Delegate Registration (Proxy) Form

Regular member.

Repeater Call: _____ Frequency: _____

Trustee: Call: _____ Name: _____

A regular member is an organization or individual that is the Trustee of record for an operating repeater in the MRC frequency coordination database with MRC membership dues paid in full at the start of the meeting.

Primary Delegate Call: _____ Name: _____

Alternate Delegate #1 Call: _____ Name: _____

Alternate Delegate #2 Call: _____ Name: _____

Restrict voting privileges: If you wish to be registered for purposes if counting attendance, but do not want your assigned delegate to have voting privileges, check here

Duration of Proxy: Check here to allow this proxy to be used at future MRC meetings. This proxy may be altered or revoked at any time by the regular member.

Signed: _____ Date: _____

Regular Member (Trustee)

Please mail this proxy to the Secretary at least one week prior to the meeting. Advance registration is appreciated.