

**MISSOURI REPEATER COUNCIL, Inc.**  
**ANNUAL MRC MEETING MINUTES**  
**1 August 2015**

The meeting was called to order by President, Don Moore, KM0R, at 11:00 am, at the Boone Electric Cooperative Community Room, at 1413 Rangeline St., Columbia, MO.

After determining that a quorum was present, each of the members in attendance introduced themselves and indicated where they were from and which repeaters they represented.

Motion made and seconded to approve the minutes of the 2014 MRC Annual Meeting as written and posted on the web. Motion passed.

**Treasurer's Report:**

Balance 8/1/14	\$973.09
Income: ARRL	\$386.00
Expenses:	(\$181.20)
Balance 8/1/15	\$1177.89
Increase over last year	\$204.80

A motion was made and seconded to accept the Treasurer's Report as presented. Motion passed.

**Coordinator's Report:**

The MRC State Coordinator, Jeff, KB3HF, reported that everything is okay. About one issue a week, but most things are good. He was able to coordinate a new 2-mtr repeater in the SE area of the state and coordinated the first digital (D-Star) repeater on the 1 MHz split sub-band. He and Assistant Coordinator, James, KBØNHX, are using a MS Access DB while they wait for the new MRC DB to be completed.

The ARRL is changing to a frequency based repeater listing instead of the confusing Analog, D-Star, ATV, P25, etc. The MRC will need to collect this information from each repeater owner in the future.

An attendee asked if digital repeaters are being coordinated. Jeff responded yes and that there was a proposal under New Business that addressed adding more slots for additional repeaters in the 440 band.

**Old Business:**

None

**New Business:**

Jeff introduced a proposed guideline for coordinating new, low power UHF repeaters by giving a real life example. A recently coordinated UHF repeater could not be accessed furtherer than seven miles from the machine and a mobile station had to be within two miles of the repeater before the receiver registered an S7 on the meter. Protecting these new, low power stations with a 90 mile radius per the current coordination guidelines is not very spectrum efficient and results in the rejection of many requests for a new repeater.

To accommodate additional repeaters in the 440 band, three state-wide shared channels have been set aside for close spacing by establishing physical and technical limits on the installations. The three

frequencies are 442.5250, 442.6250 and 442.6500. The limits can be summarized as 1) a 20 mile radius separation; 2) a max RF output of 50 watts; 3) an antenna height of 25' above grade and 4) a coordinated access (CTCSS, DCS or other Selected Access protocol). The "Coordination Guidelines for Low Power, Low Height Systems in the 420-450 MHz Band" was read and discussed. A motion was made and seconded to accept the proposal. Motion passed. The guideline will be uploaded to the MRC web site and will appear under the Documents Tab.

Jeff reported that at the April meeting of the Illinois Repeater Council, a proposal was presented and approved that all future repeaters and links must contain a coordinated PL or other selective access protocol. The approved proposal highly recommended that all existing repeaters be PL'ed or use an equivalent selective access to reduce interference to stations operating between two coordinated systems.

A motion was made and seconded to require all future repeaters to have a coordinated selective access as a condition of approval. After discussion, the motion passed. George, WBØIIS, the technical director, will write the rules which will be incorporated on the selective access maps on the web page.

James, KBØNXH, Assistant Coordinator, reported that as commercial narrow band equipment becomes more readily available to Amateurs, the MRC will be seeing requests for interspacing. We need to be aware of and thinking about how to handle this issue. Any solution will have to be driven by the ARRL or by multiple adjacent states. A single state will not be able to change channel spacing when RF signals cross state lines.

#### **Election of Officers:**

The term of office for the President, Treasurer and one Director will expire at the close of the meeting. The following individuals were nominated from the floor:

President:	Don Moore, KMØR
Treasurer:	Roger Volk, KØGOB
Director:	George Schindler, WBØIIS and Ray Brown, KBØSTN

Motion was made and seconded to close the nominations. The motion passed. There being only one nominee for the President and Treasurer's office, a motion was made, seconded to accept the nominees by acclamation. Motion passed. After excusing George and Ray from the room, their nominations were discussed. A vote was taken with George receiving a majority.

#### **Good of the Order:**

President thanked everyone for taking the time to attend the MRC Annual Meeting.

Motion made and seconded to adjourn. Motion passed. The meeting was adjourned at 11:55 am.

Submitted by,  
Roger, KØGOB  
MRC Treasurer