



March 2019

Operating the 146.91- repeater under the callsign W19MRC. For best access use 127.3 PL. Mailing address: PO Box 2123 Milwaukee, WI 53201 <http://www.mrc91.org/>

MRC News

President	Karen Burris	KC9WQJ	kc9wqj@gmail.com
Vice Pres	Blake Klingle	KD9JKC	med38@prodigy.net
Secretary	Jason Phillips	KD9HFW	jphillips@netpenny.net
Treasurer	Heather Domanski	KD9FIQ	kd9fiq@gmail.com
Activts Mgr	Steve Mueller	KD9NW	kd9nwqrz@yahoo.com

Prez News

Well spring is upon us and so begins all the Antenna work.. New antennas, more holes drilled (carefully) in vehicles and more buzz in the air. Looking forward to warmer weather and fresh beginnings... As some of you already know there have been some significant changes within the Milwaukee Repeater Club. First we would like to thank the following Hams for their many years of commitment to the Milwaukee Repeater Club, serving as the Control Operators Group. Gary N9UUR System Programmer, Jeananne N9VSV, Ron Henry KB9ZB, Don Schmitz N9ZXS, Mike AC9MN, Greg N9ME as well as Skip WD9HAS and Greg WA9AWX from the MKE Skywarn Weather Service. Skip and Greg will no longer function as "Control Operators" but can now focus their attention solely on our Severe Weather Reporting and Training. This committee was started back in 2002 and has run continually since that time. In the past several months, the attending Membership took on the task of revising the entire program, and came up with something that may better suit the needs of the Club, at this time. There is a new "Guideline" which by a vote, replaces the "Charter. Final touches to grammar and punctuation, will be addressed at the April meeting. We also have taken some of the burden



accomplish the needs of this Club. Thank you to everyone who continues to support the Repeater with their annual dues and donations. There is certainly lots to read in this Newsletter so I will close here. Looking forward to the year ahead and we will keep you posted on updates as they occur. "73" for now.

Karen KC9WQJ
MRC91 President

Vice Presidents Report

Hi all members:

This is an exciting time for the MRC 91. We as a club have instituted many changes that are sure to provide long term benefit. I would like to thank all of the members for investing in the club and making the push forward to make it a "friendly" place for all HAMS. As we move forward, the goals still remain the



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Meeting Notice

The club meets the third Wednesday of every month at the Waterstone Bank at 6560 South 27th Street, Oak Creek, WI. The meetings start at 7:00 pm.

2019 Club Calendar

March 23 (Sat) SkyWarn Training-6PM at the Oak Creek Police Department

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Club Trustee

Bill WB9EFP

Technical Committee

Dave KA9WXN
Corey KD9HCW
Bert K9AYL

Advisory Tech

Tom N9BBG

Control Operators

Blake KD9JKC
Matt KD9AEZ
Bill WB9EFP
Corey KD9HCW
Bert K9AYL

Skywarn Weather

Skip WD9HAS
Greg W9AWX

Newsletter Editor

Bob AA9JW
Heidi N9TUY

Webmaster and Social Media

Mike AC9MN
Matt KD9AEZ

Net Coordinator

Karen KC9WQJ

Scheduled Nets

Sun 8pm -
Announcements
Sun 9pm Swap Net
Thur 9pm Technology
Sat 8pm Pink -
Hamsters YL
Sat 9pm Fun Net



MRC is now on Facebook!

Vice Presidents Report, Continued From Page 1

same. Part of that is to increase membership. We, as a club, have made great strides in this area. I ask all of you to continue this process as it makes it a great club to be a part of. There are many exciting projects that we all will benefit from as well. Soon, the repeater will be operating in the optimum tolerances, with all sites active. For those of you who want to take on more of a role in the club, please feel free to volunteer. This is the very foundation that keeps us moving in the right direction. As summer is now approaching, there will also be many events and activities that we can do. This gives us the opportunity to learn from each other as well. This is your club. Let's all work together to keep pushing forward to make it the best that it can be!

73

Blake, KD9JKC

From the Treasurer

Morning all! Happy first day of Spring!

Checking is at 8214.65

Savings is at 7144.18

Paypal checking is at 248.70

Paypal is \$19.26 which is one membership from Gary Ertel

I'll be transferring all but 10 of the paypal balance into the savings account today. I can also transfer the bulk of that \$8000 donation into savings.

I want to leave an appropriate operating amount in the account for the withdrawals for the quarter.



Enjoy the sun today!

Heather Domanski

KD9FIQ

From the Activities Manager

Hello All,
What a great time of year we are coming in to. Baseball season is right around the corner, and the smell of grilling meats will fill the air. Soon I will be able to walk the outdoors in comfortable weather, with an HT in my hand, and enjoy the repeater and nature at the same time. It's also a wonderful time for the Milwaukee Repeater Club! A big thank you to everyone that has purchased a bracelet for our club fundraiser, it is very appreciated. We even had quite a few sold at the MRAC & MAARS Interclub Swapfest, again thank you so much. 100 percent of your purchase goes right to the club, and this is a great way to boost our repeater funds. They will be available for purchase at the next club meeting if you are interested, and I sure hope you are! I look forward to seeing you at the next meeting.



My Best, Steve

KD9NW

Summer Field Day Update

By Mike Lea W9MRL

For those of you who have attended the meetings in the last couple of months you have heard the discussions concerning the MRC/South Milwaukee ARC Summer ARRL field day activity. For those of you who have not attended the meetings this article will help bring you up to date.

I have worked at the Summer Field Day events for the past three years and observed several issues that I felt should be addressed. First, it seemed that the equipment for Field Day was being stored at various members homes and gathering it all back to use at Field Day was a problem. Secondly, there was a lot of the equipment used at the event that is owned by individual members and when one of those members could not attend neither did the sometimes-critical equipment. Last year we spent a lot of time running around finding a generator to power our radios due to having no one available to bring one for us to use. Next, there is a substantial cost to putting on the field day event and as we all know the MRC is running on a shoestring with funding needed for improving our repeater system. The MRC is first and foremost a Repeater Club and maintaining a top-quality repeater system should be their first priority. On the other hand, The South Milwaukee ARC does not have any repeaters to maintain and is well funded.

Besides being a member of the MRC, I am also a member and Treasurer of The South Milwaukee ARC (SMARC). Having seen the above mentioned issues, I could see a simple solution. In the past the MRC sponsored the Summer Field Day event and provided most of the equipment and financing. SMARC attended the event as a guest and usually donated some money to cover the cost of putting on the event. I proposed back in February that the rolls be reversed. The SMARC would take on the responsibility of providing and storing the equipment and paying for most of the expenses with the MRC helping and providing a donation as funds allows.

The SMARC has a trailer which is currently storing most of the MRC Field Day equipment. The SMARC would make it a priority to upgrade the tents, antennas, power equipment, wiring, and provide the radios used at Field Day so that we will have everything needed on the day of the event, and if requested we could even easily set up the equipment for picnics and public events. The SMARC has already obtained a generator that can be used at the event. Most of the existing equipment would be upgraded but we would consider purchasing the laptops that the MRC currently owns.

How does this effect the MRC? Not much will be different. The same banners will be put up, the same activities will go on, and the fun and excitement will continue. Setup and take down will be easier, the MRC will have more money for repairing the repeater system, and the tents, and other equipment will be better. This will still be a joint effort between the two clubs and your attendance will still be critical for a successful event.

Technical Committee

Hello My name is Corey Becker KD9HCW. My professional background is in computers and for the past 20 it has been my full-time job. In my free time I operate a network of linked UHF GMRS repeaters in Indiana, Illinois and Wisconsin. I enjoy building and engineering repeater systems, RF combiners, Receiver multi couplers, duplexers, antenna systems and tinkering with electronics. During the solar cycles I waste hours and days chasing 6m DX. Some of my more recent projects include the receiver multi coupler for the Lakeshore Repeater Association in Racine and assisting with the installation of the area's first two 900 MHz DMR repeaters. I have been in and out of radio of one form or another since I was 12 where I was heavily involved with CB radio, Shortwave and scanners. By the age of 14 I had taken up electronics repair ultimately leading to my current career of computers. I currently hold Amateur, GMRS and Commercial radio licenses and recently became a tower site owner. I look forward to helping the 91 with its system and working with the members to complete long due maintenance projects and updates.



By Bert K9AYL

I built my first shortwave radio as a summer project in the 5th grade. I continued to do breadboard circuitry building and testing to continue learning how different circuits worked.

Fast forward, I have about 25 years' experience in equipment building and automation. (AC VFD, AC Inverters, Servo Amplifiers, PLCs, I/O Cards...etc)

I also have an extensive background in industrial oven design and control. Tuning and repair of SSR, SCRs, PIDs...etc.

I am well versed in Hi Temperature wiring for power and sensor / controls. Low voltage control wiring, equipment and structure grounding etc.

Radio Field background:

I have assisted in tracking down water infiltration on feed lines in 900 MHz repeater stations.

I have assisted in multiple repeater site relocations for private individuals and Associations. This included but was not limited to the following. New feed lines, rack relocation, emergency power backup, shore power, internet direct or wireless, asset inventory, wire routing / management. Etc.



From the MRC91 Trustee

As your new trustee I plan to communicate on a monthly basis any information or actions that the control operators or the technical people have taken since the last update. I will utilize this newsletter in addition to having this information read at the monthly club meetings to provide these updates.



For the current period the newly elected control operators and technical people are getting used to their roles with most activity being done by the technical people. The current project is to survey the main and remote sites and see what if anything can be done to improve performance of the system. Specifically the primary project is to get the long dormant Holy Hill site (currently off-line) operational. This will be followed by the relocation of the Oak Creek site to a more permanent location since replacing it on the Oak Creek water tower has been ruled out due to the costs involved. Once these projects have been completed the next phase will be to investigate the potential to update the remote sites to more current equipment replacing the dated Motorola equipment currently in use. We hope to share positive news/updates on these projects on a regular basis.

73 de WB9EFP MRC91 Trustee

March 20th Meeting Minutes

Time meeting called to order: 7:02pm

Roll call and introduction of guests.

Voted in 3 new members. Paul (KB9JPN), Gary (WD8RVZ), and Dave (WB9WNF)

Reading of minutes from February 2019.

Motion made to accept minutes as read by:

Bill (WB9EFP) and Rick (KD9OBG)

Motion passed by unanimous voice vote.

Reading of treasurers.

Motion made to accept treasurers report as read by:

Ron (KC9PQD), and Rick (KD9OBG)

Motion passed by unanimous voice vote.

Committee Reports:

- Mike (AC9MN) of the Social Media Committee asks everybody to give your call sign when joining the Facebook group to verify your identity.
- Cory (KD9HCW) and Bert (K9AYL) of the Tech Committee introduced themselves and gave their report on the condition of the repeater.
- Skip (WD9HAS) of the Skywarn Committee said the MRC91 has been hosting Skywarn since 1986.

Old Business:

- Karen (KC9WQJ) brought forth the subject of the twin proposals to replace the old Control Ops Charter. The twin proposals were debated upon the merits of each both pro and con and then a vote was held.
- The proposal known as The Guidelines received 19 votes. The proposal known as The Charter received 2 votes. The Guidelines has been adopted.

New Business:

- As Trustee Bill (WB9EFP) recommends reliving all of the current control operators of their duties. Rick (KD9OBG) and Al (WA9RYO) makes such motion. Motion passed by majority vote.
- As Trustee Bill (WB9EFP) recommends as new control operators: Matt (KD9AEZ), Corey (KD9HCW), Bert (K9AYL), and Blake (KD9JKC). Rick (KD9OBG) and Al (WA9RYO) makes such motion. Motion passed by majority vote.

Motion made to adjourn the meeting made by: Corey (KD9HCW) , and Bert (K9AYL)

Meeting Adjourned at 8:18 pm

MRC91 Membership Application
The Milwaukee Repeater Club, INC.
P.O.Box 2123 Milwaukee, WI 53201 DATE _____

(Check One) _____ New Member or _____ Renewal
(Check One) _____ Individual or _____ Family
(If Family: Please list names, calls or other pertinent information of Hams living at the same address. Annual dues covers entire family)

NAME _____ CALL SIGN _____ CLASS _____

NAME _____ CALL SIGN _____ CLASS _____
STREET
ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE(home) _____ (work or cell) _____ text? _____

EMAIL _____

FAMILY EMAIL _____

ARE YOU A CURRENT ARRL MEMBER? _____ FAMILY _____

VOLUNTEER OPPORTUNITIES

____ Swapfest Set up Fri night prior to event ____ Swapfest Raffle ticket sales
____ Field Day Set up ____ Operate Radio ____ CW Operator? ____ Clean up
____ Picnic Set UP ____ Grilling ____ Demonstration ____ Clean up
____ Net Control scheduled or as needed to fill in:
____ Fun Net ____ Swap Net ____ Technology Net ____ YL PInk Hamsters

Areas of interest: __ Projects __ Satellite _DX _DMR __ Fusion _Dstar _PSK _SMPLX
OTHER _____

DUES

New Members January thru December \$20.00 (After July 1st \$10.00) \$ _____

Annual Renewal \$20.00----- \$ _____

Name Tag (w logo & name ie: "JOE") and call \$7.75----- \$ _____

Pick up at mtg free ____ or mail to address \$4.00----- \$ _____

Tax Deductible Donation to General Fund----- \$ _____

Total----- \$ _____

"THANK YOU FOR SUPPORTING THE MILWAUKEE REPEATER CLUB"