Volume XLVII October 2017 Number 10

## **MUsings from W0MU**

Leave to take a few lines and introduce myself. I was first licensed at the age of 12, in 1978. I became seriously interested in county hunting around 2003. I am also an avid Dxer and Contester. I am USA-CA holder #1228 that I received in 2012. I filled in as the South Central Director and was also the Webmaster for many many years. I have an IT background, I started building computer back in the 80286 days and became a systems engineer before changing careers to real estate. I still manage my own websites and those a number of companies I am involved with. I also sell antiques and collectibles at a couple of antique malls in town and on EBay and I also sell on Amazon.com. I look forward to serving you the remainder of the year and as long as you think I am doing a good job for you!

# **2017 National Convention**

I would like to thank N0DXE, Pat and N0KV, Barry, for putting on a wonderful convention in Colorado Springs. There were over 70 people in attendance, and the only thing missing was sunshine! It was great to see old friends and to get to put faces to calls that I have worked and heard so many times in the past. Congrats to all the prize winners. AA9JJ and NF0N walked away with new radios and we might have convinced AA9JJ and N9QPQ to start running or working counties again!

There were a couple of very special awards handed out at the banquet. W0NAC, Matt was recognized by KD9ZP and N0KV for his exhaustive efforts with Logger and as assisting so many people with their computer problems. Words cannot describe the gratitude that we all have for what Matt has done for us. Matt received a well-deserved standing ovation. Thank you, Matt, for all you have done and will continue to do for MARAC and county hunting!

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I would also like to thank Larry W0QE, and his XYL, K0EAC, Beth for their hard work and many hours in helping many of test our mobile installations and the forum on Wednesday. Larry spent many hours on Tuesday compiling the results and creating a great video to present the results. That video will be available on http://marac.org soon. Thanks to N4CD, Bob, for hosting the CW forum and to N5MLP, Ron, for hosting a forum on the MARAC awards. I also gave a presentation on POTA, Parks on the Air and we also had a short talk about WJST-X specifically around FT8.

If you would like to watch the video on the antenna test, you may view it at https://www.youtube.com/watch?v=JcVpBBgmQCs. Check out Larry's web pages for other great information at http://www.w0qe.com/.

#### **Awards Secretary**

We have one! Whoopee! AB7RW, Phil, and his XYL, AC7UH, Barbara, have graciously volunteered to take over the most important job in the club. I would ask that everyone please continue to hold off on awards submissions until we give the all clear. We need to get the team the computer and supplies they need to get the job done. If you have recently finished an award the plan is to back date those completions to the date of the contact giving you that award so you won't miss out on anything you have worked or run.

## 50th National Convention-Kansas City Area

At the start of the convention many of us were talking about the poll that the board conducted about hosting the Nationals every year or every other year and how do we address the desires of the membership. When WQ7A handed us the copy of the MARAC Annual Report that said "49<sup>th</sup> Annual", we all had one of those ah ha moments, and we knew that we needed have a "50<sup>th</sup> Anniversary" convention in 2018. The beginnings of county hunting and MARAC are rooted in the Kansas City area, K8ZZ had already looked into hosting a convention in that area, and he volunteered. OK, the board volunteered him to head up the 50<sup>th</sup> National. Let's make this convention SPECIAL! Spread the word far and wide and let's fill up the hotel.

K8ZZ has already come up with a number of great ideas for forums and other fun things to do at the convention. If you have ideas, tour locations or anything that would be helpful please contact K8ZZ directly.

The Michigan Mini 2018 is happening. Dates are similar to last year and will be published soon. This is another great event that has been going on for 11 years now. The hotel is right on the lake and it is beautiful. I hope many of you will be able to attend.

The Board plans to revise the bylaws to allow the board to have discretion on when a National will be held and possibly change how and when the annual meetings are held along with a few other housekeeping issues. Those changes will have to be voted on by the membership. When those changes are written, they will be published for comments with ample time for discussion and changes prior to any vote.

The MARAC 20m SSB net on 14.324 has seen a bit more activity lately that was curbed by hurricane net on 14.325. We were happy to get out their way to help all those in need down in Florida and the Caribbean. We are always in need of people wanting to fill in and help the mobiles - especially on runs to and from Conventions, mini's etc.

Spotting: please, please spot people. If a mobile is out there and there are no spots, chances are they are in an area with no cell or wifi service. Do them a favor and get them spotted. It makes a huge difference in the number of contacts they will get.

"Self-credit" is new as of this year. Many of our awards now allow you to get self-credit (if you want) for going to a county and making one single contact. If you hear a mobile calling and calling but not working anyone, please work them even if you don't need them. They might need you. Spot them, too, if you can.

# **Technology**

We have some big challenges ahead of us. As most of you know, we've had an issue with the database and the current web server provider. What we had been able to do for years suddenly stopped working. Our web site is based an old platform that most web sites no longer use, so simply moving to a new provider is not that simple. We can't be guaranteed that their platform will work with our code either. I have attempted to contact a number of providers, and they have failed to respond. So, we will probably need to figure out how to migrate to a different platform and reconstruct pages based on other programming languages.

I'd like to reconstitute the IT Tech group that KW1DX had started. If you have technology, it, programming backgrounds and would like to assist, please contact me.

The number one concern people were expressing at the convention was no longer having a very simple self-spotting phone application similar to SpotMe. I have sent an inquiry to KW1DX about the availability of SpotMe to either be donated to MARAC or purchased for a reasonable price as it is no longer working. The board would need to approve this purchase. With the help of K4PBX, we are working on bring back the spotting server program that he designed on a test platform at no cost to MARAC. It may be possible to either write or contract with a programmer an application what would work with the MARAC spotting server that we already own. The spotting server is not feature rich at this point but could be. Help may be on the way, but It could be some time before this is a reality.

Work has been done on Logger II, but much would need to be done to complete it. We need to find the people with the right talent and time to finish this project, and it really needs to get done.

## **Volunteers**

I would like to thank each and every volunteer that we have helping the club in so many ways. Without all of you there would be no club. Volunteers are not paid and should not have to deal with nasty emails, telephone calls, or bad behavior in general. We need our volunteers, so, please treat them kindly and

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with respect. We are all trying to do our best, we are all going to make mistakes, and I promise we will fix them.

If you are having difficulties with an officer, board member, or any of the appointed positions, I would ask that you first contact your district director for assistance in the matter. If that avenue is not working, please feel free to contact K8ZZ, Ed, or myself, W0MU, and we will be happy to assist.

Until next month,

W0MU Mike Fatchett President



# **Dateine CW**

Ed, KN4Y

So little in the purse, so may counties to run, a convention to attend.

Plashback to last year 2016: I awoke at dawn for no particular reason to a still humid atmosphere; I quickly realized the lack of electrical power by having no lighted alarm clock to verify the time. I dressed by first morning light and go outdoors to survey the area for any structural damage by that naughty blow hard hurricane Hermine. Now flash forward to this year 2017: I am up at first light to determine what damage the now tropical storm wind gusts caused when the powerful hurricane Irma moved north. The wind gust took down trees that took down the electrical grid overhead power lines. No electrical power means I head to the shed praying the generator will run after setting in one spot for a year. I notice the pine trees had another contest to see what tree could drop the most limbs and survive. What a mess. After a walk around the house I found no structural damage. I put gas into the generator and it does not start, I see I had not turned on the gas valve. I flip the valve give a few pulls and the generator starts, I feel good. The electrical outage is a one day event, thank goodness. Things settle down and I go to the radio shack.

I am sitting in the radio shack looking at the calendar and notice the month of October is forthcoming, I think to myself why is this year so eager to depart. I lean back in my chair remembering that October is generally when leaves change color and fall from the trees, October is also known for Columbus Day and of course Halloween and for county hinters it is National Chili Month? I was glancing through my next year At-A-Glance and noticed the MARAC CW QSO Party is on Mother's Day, I wonder if the date of this event will be changed or maybe changed to an one day QSO party. My concentration is broken when I hear the roar of Gator's 4X4 as he drives down the driveway and slides to a stop at the recycled railroad tie. I suddenly have this coffee rush and I notice Gator also stopped and retrieved the mail. Gator comes into the shack carrying several envelopes, a grocery bag and a white cardboard container. "Salutations old Dude, things are slow at the plant so I decided to pick up some lattes and come over and bug you especially since the mosquitoes have departed," He is giggling as he gets two lattes out of the white cardboard container then reaches into the grocery bag and get two pumpkin flavored donuts, "Here Dude, come alive and get ready for Halloween." I take the envelopes and put them on the desk then take the latte and donut, I take a bite of the donut and chase it with a long sip of the hot nectar of the Gods, "Thanks Gator I needed that. Glad you arrived you can work up some logs for me, if you feel like it."

I hand Gator a pink memory stick, "Here Gator, see how I did in the Kansas, Ohio and Hawaii QSO parties." Gator mouses around, chuckles to himself, and turns around in the chair, "Dude you made 107 QSO's in the Kansas QSO party but not much else." I shake my head yes, "I have run the Kansas QSO party many times and I do not need the counties. How many of the mobiles operating in Kansas are MARAC members?" Gator mouses around, "There are a bunch of mobiles using 1x1 calls and I think the only MARAC members are: AD0DX, Ron, AF5Q, Ron, K5YAA, Jerry, and NU0Q, Aaron." I sip my latte, "Gator check the Ohio QSO party, this is like a trip back to my birth state." Gator laughs, "You were actually born? I mean in Ohio? No problem Dude you made 57 QSOs, got one new county on 80 meters and one No-Star. I did not see any members of MARAC that operated mobile." Gator sips his latte, "You made 10 QSOs in the Hawaii QSO party, fall asleep again?" I laugh, "No Gator good band condition from here to the Island did not materialize, but I did have short Hawaii opening on 15 meters." Gator is not paying attention he is opening the large white envelope received in snail mail.

'Look here Dude you received a certificate for first place Florida in the Minnesota QSO party. I need to get my ticket and give you some Florida competition. By the way what was in the brown envelope you received from the ARRL K bureau?" I set my latte down, "I got 35 QSL cards from various DX stations, some from contest stations bragging about their score and did not request a return QSL card. I prepared a QSL card for each of the other stations, combined the cards in an envelope with a check and sent the envelope to the ARRL Outgoing QSL Service." Gator laughs, "I see you also worked the Colorado QSO party and made 26 QSOs, whoop-de-doo, but you did work five No-Stars, one 1x3 call and one 'A' call. So your escapade was not wasted, however, I notice you did not work the bonus station on CW." I smile and shake my head in agreement, "Gator check to see how many MARAC members were mobile in the Colorado QSO party that I worked." "You worked three; Bill, K8TE, Barry, N0KV, and Ken, W0ETT. Let see how you did in the Tennessee QSO party."

Gator mouses around, "Well Dude you did better making 61 CW QSOs in the Tennessee QSO party and getting one new county on 80-meters. No Dude, you did not work a MARAC member operating mobile on CW. I also notice you worked mostly on 40 meters and a few on 80 meters." "Yes Gator, I heard no Tennessee stations on 20 meters." Gator gives me the shut your mouth gesture, "Dude what is this CW Open Competition activity that you worked?" "That Gator is an event sponsored by the CW ops and as you know I am now a member. It was fun, but I had some other chores that were unexpected and I did not get to operate full time. I am also not a fan of sloppy fist serial numbers in the exchange." Gator is not paying attention, He suddenly turns around.

"Dude I just found your Washington Salmon Run, you only made 51 CW QSOs, what is your excuse this time?" I sip my latte, "Well Gator this weekend I had several chores and my radio operating time was limited and to compound the problem there were four State QSO parties." Gator smiles, "I notice in the Iowa QSO party you made 17 QSOs and worked one 2x2 call and one no- star. The only MARAC member operating mobile CW is Jim, N9JF." Gator starts laughing, "Dude you made 12 QSO's in the New Jersey QSO party, did you forget how to turn the Yagi Northeast?" I smile, "No gator I just did not hear many New Jersey operators on CW and I heard no mobiles. You will notice I had this same problem working the New Hampshire QSO party making only two QSO's." Gator acknowledges with a head shake. "Dude I just noticed that Jim, N1CC and Paul, K1TKL, are Silent Key's, did you know them.?" "Yes Gator, Jim to the best of my knowledge, is not a county hunter or a MARAC member. I, however, have worked Jim when I was mobile in the various QSO parties. Paul is a MARAC member and we exchanged signals over the years while I was running mobile in QSO parties. We bow our heads as Gator recites the Irish Blessing

I toss my empty latte cup into the orange five gallon concrete sealer container designer wastebasket setting by the desk. "Gator how about checking my Texas QSO party log?" Suddenly Gator's cell phone goes CQ, CQ, CQ. "Sorry Dude I have to get back to the plant. The Elixir storage building's basement is flooded caused by the Hurricane Irma." He is gone like gas passed in a brisk wind, I hear him yell, "Don't forget to ask Norm if there was a CW meeting at the MARAC National convention." I get another pumpkin flavored donut when I hear the printer start and stop. I obtain the print out and it is a list of the mobiles heard during the month of September on the CW county hunters call frequencies. I read: AB7RW, K0FG, K0MAF, K2HVN, K3IMC, K7TM, K8TE, K8ZZ, KA2LHO, KC7YE, N1QY, N2OO, N4CD, N4UP, N9JF, N9MM, N9QS, NF0N, NU0Q, W0GXQ, W1QY, W3DYA, W4SIG, WA3QNT, WB0PYF, WG6X, and WJ8Y.

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Rejoice State QSO party enthusiast, during the month of October there are six QSO parties for your county hunting enjoyment with 370 counties up for grabs: The California QSO party where the sheer number of fixed stations compensate for the lack of mobiles traveling throughout the 59 counties. Next is the Pennsylvania QSO party with 67 counties, the Arizona QSO party with 15 counties, the New York QSO party with 62 counties, the South Dakota QSO party with 66 counties and the Illinois QSO party with 102 counties.

YL's please read the following to your OM: The all mode 10-10 International Sprint in on October 10<sup>th</sup>, get the connection? KN4Y plans to operate CW during the Sprint and awaits your signal. There is also the 10-10 International CW QSO party and KN4Y will be active again on ten meters. Mark your radio operating schedule.

There is also the ARRL School Club Roundup, the Stew Perry contest on 160-meters, the Oceania CW DX contest, the Worked all Germany and the German Telegraphy Contest. October has 40 operating activities for the CW operator. All this excitement promotes frequent nap times.



#### **ROADRUNNER**

## **Board of Directors Meeting**

Mobile Amateur Radio Awards Club (MARAC) Wednesday September 27, 2017

President Mike Fatchett (W0MU) welcomed everyone to the BOD meeting and called the meeting to order at 1800z on Sept 27, 2017.

#### **Board Members present in person or via Uberconference:**

Past President – Randy Hatt (AA8R)

Vice President – Ed Eklin (K8ZZ)

Secretary – Terry Dummler (WQ7A)

Treasurer – Aubrey Mansfield(W7OLY)

Northeast Director – Al Kaiser (N1API)

Southeast Director – Kerry Long (W4SIG)

South Central Director – Barry Mitchell (N0KV)

North Central Director – Mike Nickolas (NF0N)

Pacific Director – Paul Nelson (N7JPF)

#### **Members not present:**)

Great Lakes Director – Tim Eklin (W8JJ)

Motion by Paul (N7JPF) to accept the minutes of the previous BOD meeting as published. Second by Kerry (W4SIG). Motion passed. Vote was unanimous.

Motion by Terry (WQ7A) to accept the Treasurer's Report as published. Second by Mike (NF0N). Motion passed. Vote was unanimous.

Motion by Aubrey (W7OLY) to accept the Awards Secretary's Report as published. Second by Ed (K8ZZ). Motion passed. Vote was unanimous.

#### **Old Business**

There was further discussion about a new award for the conveners of a National Convention. This award will be named the "Lightning Leo" award to honor Leo Bingham (WY7LL sk) who became a SK while hosting the National convention in Deadwood, SD. 2013. The motion was made by Paul (N7JPF), seconded by Mike (NF0N). Vote was unanimous.

At the last BOD meeting, obtaining liability insurance against legal activity was discussed and a motion was made by Barry (N0KV) to help against future legal action. This insurance has been purchased. Total cost \$666

It was noted that a recent vote by the membership showed a two thirds majority wished to have the National Convention held every two years. This will require a membership vote to modify the Bylaws. Further information came later in the meeting.

#### **New Business**

#### Welcome to W0MU as interim MARAC President. And Thanks!

#### Welcome to K8ZZ as interim Vice President. And Thanks!

The Webmaster has been replaced. Mike (W0MU) will be our new webmaster.

Motion by Barry (N0KV) to approve MARAC Outstanding Service Award for Randy Hatt (AA8R) for his service as President. Second by Aubrey (W7OLY). Vote was unanimous.

Motion by Paul (N7JPF) to approve MARAC Outstanding Service Award for Chuck Secrest (NM1G) for his service as Vice President. Second by Barry (N0KV). Vote was unanimous.

Motion by Kerry (W4SIG) to approve MARAC Outstanding Service Award for Pattie Hatt (W8TAX) for her service as Awards Secretary. Second by Aubrey (W7OLY). Vote was unanimous. Subsequent to the vote AA8R relayed a request from W8TAX that she declined the award.

Motion by Barry (N0KV) to approve MARAC Outstanding Service Award for Dave Pyle (KW1DX) for his service as Web Master. Second by Kerry (W4SIG). Vote was unanimous.

Motion by Paul (N7JPF) to approve MARAC Outstanding Service Award for Barry and Pat Mitchell (N0KV/N0DXE) for their hosting of the 2017 National Convention. Second by Kerry (W4SIG). Vote was unanimous. (LARGE applause followed). This will be the first Lightning Leo award.

The President appointed AB7RW as Awards Secretary. No discussion. Vote by BOD was unanimous.

Considerable discussion was held by the President announcing Kansas City as the National Convention site for the 50<sup>th</sup> Anniversary celebration. The straw poll for the holding of National Conventions will be put off for a year so we can celebrate our 50<sup>th</sup> year. A lot more information about this meeting will be coming during the year. The host in charge will be the renowned Ed (K8ZZ) of Michigan Mini fame.

Motion to adjourn by Terry (WQ7A). Adjourned at 1827z. The President held an open mic session for questions from the membership. Thanks to all who participated.

Respectively Terry, WQ7A Secretary



#### **Awards**

# **Awards Committee**

### **Awards Secretary Selected:**

Phil Yasson, AB7RW was appointed by the President and ratified by the Board of Directors during the board meeting on September 27, 2017. The computer equipment and supplies associated with this position will be transferred to Phil in the near future. Please continue to hold your requests for new awards until Phil can get the equipment and become familiar with the processes involved in generating the awards.

## **Status of Awards Operations**

As noted, the awards processing operations were suspended at the end of August when the previous Awards Secretary went out of office. Operations will begin again shortly when the equipment and supplies are transferred to the new Awards Secretary.

## Status of Self-credit Tracking Spreadsheet

The spreadsheet which I mentioned was under development in March was not widely publicized or distributed because it was learned that these changes were being actively developed to be included in MARAC Logger. As of October 1<sup>st</sup>, only a limited number have been included in Logger and it is uncertain when the remainder will be programmed into Logger. The spreadsheet was distributed to a few people who requested it and will be made available on the county hunter download page in the near future shortly after I return home from the trip to the convention.

I need to move the help documentation from within the spreadsheet itself to a separate PDF document so that it can be updated as needed without everyone having to replace their spreadsheet. I received some input that a separate version for use by OM/YL teams would be desirable rather than those teams having to create and maintain two separate spreadsheets. I will add a separate version for teams and release both at the same time.

# **Vacancy on Awards Committee**

The position for representative of the Northeast District was vacated when KW1DX resigned. Any members in good standing who reside in the Northeast District and would like to be a member of the committee should contact the Northeast Director and/or the Awards Manager. We would like to fill that position as soon as possible.

#### **MARAC Awards Committee**



N5MLP - Ron Clift, Marac Awards Manager

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Treasurer's Report (W7OLY) August 2017*				
Beginning Account Balances August 8, 2017			\$27,133.93(1)	
Income:				
Money Market Interest	\$1.96			
Awards Secretary Income (3)	\$0.00			
Misc. Income	\$0.00			
Membership Income	\$412.98			
Logger Distribution	\$19.12			
Total Income:		\$434.06		
Other Expenses:				
Awards Secretary Expenses (3)	\$0.00			
Misc. Expenses (2)	\$711.41			
Office Expenses (Postage, Etc.)	\$0.00			
Total Expenses:		\$711.41		
Net Income Less Expenses			(\$277.35)	
New Total Cash Balance ALL Accounts:			\$26,856.58	
Checking Account Balance			\$3,735.99	
Money Market Account Balance			\$23,120.59	
Total Cash All Accounts:			\$26,856.58	

<sup>\*</sup> Includes Transactions posted through 9/14//2017

Notes:

- (1) Correction to July ending balance: \$2.40 PayPal fee in July report was deducted twice.
- (2) Liability Insurance (\$666.00) + Software Purchase ((\$45.51)
- (3) Awards Expenses for August (\$837.32) & Income (\$465.50) are not shown above awaiting closure of

the W8TAX Awards Account.

# From a balance sheet perspective, MARAC Total Funds at the end of August should be discounted by \$6,290.15. This amount is a Deferred Liability of award fees pre-paid by members. After discounting, our true (spendable) Cash Assets are \$20,566.43.

<sup>\*</sup> The \$1,500.00 Awards Secretary Funds are not included in the above balance.

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		Events
10/1	NA SSB SPRINT	
10/7	CA QP	
10/10	10-10 SPRINT	
10/14	PA QP	
10/14	AZ QP	
10/16	RUN4BACON	
10/21	10-10 CW CONTEST	
10/21	NY QP	
10/21	SD QP	
10/22	IL QP	
10/28	CQ DX SSB CONTEST	

# ONLY START DATE SHOWN

CLICK ON EVENT TO GO TO THAT WEB SITE



## **Awards Committee**

# These MARAC members are serving on the Awards Committee:

**Awards Manager - Ron Clift (N5MLP)** 

**Robert Woody - N8KIE** 

Tony Mazzocco -WA9DLB

David Pyle - KW1DX

**Robert Hallock - K7TM** 

**Bob Voss - N4CD** 

**Jack Jacobs - WD4OIN** 

The County Line Roadrunner MARAC Secretary PO Box 500 Yelm, WA 98597

"A Road Runner Is A Very Fast Bird"

#### Monthly Deadline for Articles is the 25th!

#### **Board of Directors**

**President**: Mike Fatchett, W0MU, PO Box 3500, Parker, CO 80134, 303-548-7222, w0mu@w0mu.com

Vice-President: Ed Elkin, K8ZZ, 1426 SW Summit Woods Dr Apt 3, Topeka, KS 66615, 231-649-4747, ed.elkin@gmail.com Secretary: Terry Dummler, WQ7A, PO Box 500, Yelm, WA 98597, 360-894-3715, wq7a@comcast.net

Dues with an Electronic copy of the Newsletter copy are \$10.00 per year, check or money order. Dues are also available via Pay-Pal to WQ7A@ARRL.NET

Treasurer: Aubrey Mansfield, W7OLY, 7717 Forest Park Dr, Olympia, WA 98502, 703-286-9987, w7oly@comcast.net Great Lakes Director: Timothy Eklin, W8JJ, 7398 Waterfall Dr, Grand Blanc, MI 48439, 810-603-2801, w8jj@comcast.net North Central Director: Mike Nickolaus, NF0N, 316 East 32nd St, South Sioux City, NE 68776, 402-494-6070, nf0n@arrl.net

**Northeast Director**: Al Kaiser, N1API, 194 Glen Hills Rd, Meriden CT 06451, n1api@cox.net

South Central Director: Barry Mitchell, N0KV, 12200 Boothill Dr, Parker, CO 80138, 303-841-6510, n0kv@earthlink.net Pacific Director: Paul Nelson, N7JPF, 3013 W. 10th St, The Dalles, OR 97058, 509-698-6227, n7jpf-paul@charter.net Southeast Director: Kerry Long, W4SIG, 1854 Newton Nook, Collierville, TN 38017, 901-331-1881, kerrylong@comcast.net Immediate Past President: Vacant

#### Appointees

**Awards Manager:** Ron Clift, N5MLP, 10719 Lake Windcrest Dr, Magnolia, TX 77354

Awards Secretary: Vacant

Historian: Gary Beam, K4EXT, 195 Nanny Goat Hill Rd,

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**Newsletter Editor**: Dave Hyatt, KU4YM, 159 Schooner Bend Ave, Summerville, SC 29486, 843-442-8666, dhyatt@homesc.com

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**Election Coordinator**: Don McMinds, K7DM, 535 E Chance Ala Mer NE, Ocean Shores, WA 98569, 360-289-0520, k7dm@centurylink.net

MARAC General Counsel: Bill Morgan, K0DEQ, 12012 County Rd 3000, Rolla, MO 65401, 573-465-5405, k0deq@arrl.net

Computer Data Manager: Gene A Olig Sr, KD9ZP, W 4325 4th St Rd, Fond du Lac, WI 54937, 920-923-0130, kd9zp@att.net