



MECKLENBURG AMATEUR  
RADIO SOCIETY, INC

# MARS News

VOLUME 58, ISSUE 3

MARCH 2007

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## A letter from the President

I would like to say a heartfelt 'Thank you' to everyone who helped MARS make our 2007 Hamfest a success this year.

The 2007 Hamfest took a lot of personal sacrifice, in terms of work and time by a lot of people. Most importantly, the 2007 Hamfest required *teamwork* to make this event successful. As President, I want to especially thank all the responsible club members who took on, and followed through, in the difficult positions such as chairpersons of our various Hamfest committees. You led by example and directed the efforts needed to succeed. You completed the jobs you said you would do. And, because the members and the Officers of the Mecklenburg Amateur Radio Society counted on you to *follow through* in the various positions you committed to, I say again a hearty "Thank You!" on behalf of all the members of MARS.



I want to encourage all of our membership to get involved in the day-to-day, as well as special event activities of our club. There are many ways that new and long time club members can help to make our club the very best it can be. It sounds like a cliché, but it does take more than just a few dedicated people to run things. I know we have members who feel that they cannot help the club, because they are 'older' or 'infirm' or 'physically challenged' in some way. But nothing could be further from reality. There are many ways for members to help W4BFB. Just being creative in the 'how-to-help' and 'what-needs-doing' is the secret. Sometimes, just asking 'what needs to be done that I can do?' is all it takes. Please think about it, we need every member we have to make the difference between 'ordinary' and 'extraordinary'.

We will be celebrating the 58TH Anniversary of MARS incorporation, back on March 25<sup>th</sup> 1949, during our club meeting on the 27<sup>th</sup>. So come on out to our meeting and celebrate the anniversary with us.

We will have refreshments and will be honoring any Past Presidents of MARS who attend. So, if you are a Past President please come to the meeting. Let's see how many Past Presidents we have had in our 58 years attend. We will also be taking part in the CQWW SSB WPX contest in the clubroom at the Red Cross on the 25<sup>th</sup> from 8AM to 8PM. Come out to operate in the contest and help honor the founding members' efforts.

We have two MS Society events coming up in April. The first one is April 14TH and we need volunteers to help us. Please sign up at our meeting or contact Jeff KA4WYC to help. The second one is

## Letter from the President (cont.)

April 27, 28, and 29<sup>TH</sup>. This is the MS Challenge-Walk and it's going to be held in Palm Keys, South Carolina. We need volunteers to help with this event also. We will be also signing up for this event at our club meeting, or contact Mary N4MH directly to volunteer for this event.

MARS will begin its 2007-2008 membership drive in April. Please let's start early and get our membership dues paid for next year. NOTE: Membership is from July 1<sup>st</sup> through June 30<sup>th</sup> each year.

May 19<sup>TH</sup> is coming and we are getting excited because it will be our Mini Field day and family picnic. Plan to come out and support this event and bring the entire family. We are planning a fun filled day.

I need to mention that this month we are having a Special Election for two board member positions at our club meeting. Please attend the meeting or send in your email/proxy ballot to help us elect active and responsible people for these two positions. We need individuals on our board who *will help to make a difference* in our club. As the President, I need board members who will be *dedicated to helping make the best decisions for W4BFB* and who also will be active in club activities and not 'just attend' board meetings.

73,

Jodie KI4CXO

## Club Membership

While there are no new members to report in this issue of the newsletter, there has been a lot of activity in the way of membership applications and renewals received.

Jeff (KA4WYC) reports that at the March meeting we will vote for approval of at least five new members. Also, since the February meeting we have received 15 membership renewals.

While the recent FCC rule changes have created a lot of activity in the amateur radio service, the hard work of the leadership and the members of this club is also clearly paying off.

Keep up the good work.

73,

Richard - K4KRW

# MARS North Carolina QSO Party Effort - 41,068 pts

The set-up team of Jodie-KI4CXO, Jeff-KA4WYC and Ben-WB2RHM arrived at the MARS Clubroom in the Red Cross building at 11AM on Sunday February 25<sup>th</sup>. Their task was to convert the clubroom into a contesting station ready to compete in the North Carolina QSO Party promptly at noon.

When noon arrived, things were ready to go. W4BFB went On-The-Air, making contacts with operators in North Carolina, all across the United States, Canada as well as around the world.

The objective of the NCQSO Party is to contact as many other hams as possible during the ten hour contest time period. Multiplier points are earned for each unique North Carolina

County, US State, and Canadian Province. One extra multiplier is allowed for a DX contact. If a contact is made with a 'mobile' station, the QSO is worth additional points so 'mobile' operators are sought out for QSOs. Special bonus' are awarded for contacting the two sponsoring radio club stations.



**Don (N4IZ) and Richard (K4KRW) work 80m**

73, Ben Antanaitis – WB2RHM

When 10PM arrived and W4BFB went QRT, the MARS team had logged 241 QSOs. W4BFB contacted 43 out of 100 NC Counties, 82 States/Provinces/Countries across the 80m/40m/20m bands. We made contact with 17 mobile stations and the two sponsor stations W4NC and W4WS. After the total score was tallied, MARS submitted an entry for 41,068 contest points.

73, Ben WB2RHM



**Bill (W4GRW) works 40m while Jeff (KA4WYC) Logs contacts**

Your W4BFB station operated with rotating teams of operators and loggers, everyone who came out got a chance to operate and log. The received audio was routed to headphones for the operators/loggers and then to a speaker for the others in the room to follow along. When the copy was rough, everyone got in on the action of trying to pull a weak call out of the noise.

Your MARS – W4BFB team for this effort was: Bill Fisher – W4GRW, Randy Zongker – K4RKZ, Don Bilecliffe – N4IZ, Richard Dodd – KG4PBG (now K4KRW), Jodie Rowland – KI4CXO, Jeff Blythe –



**Randy -K4RKZ (a new General) gets his first exposure to contesting**

## March 25<sup>th</sup> CQWW SSB WPX Contest

On Sunday March 25<sup>th</sup>, on the 58<sup>th</sup> anniversary of the incorporation of The Mecklenburg Amateur Radio society, members are invited to come to the clubroom between 8AM and 8PM to participate in the CQWW SSB WPX HF contest. More info will be sent out over the club reflector, or contact Jeff Blythe – KA4WYC direct.

73 Ben WB2RHM

## Public Service Ramping Up For Another Year!

The folks at W4BFB are preparing for another busy year providing communications for various agencies. The Multiple Sclerosis Society is one of the groups we work with the most.

To start the Public Service year we have on April 14<sup>th</sup> the MS Walk. This is a fun event and pretty laid back. We need 4 or 5 Sags, and about 5 Rest Stops and maybe some bike mobiles. We can't live without a Sweep Sag. Maybe a bike mobile can do that? If you have any questions give me a call or email at: [ka4wyc@w4bfb.org](mailto:ka4wyc@w4bfb.org).

Next in the same month of April (27<sup>th</sup>, 28<sup>th</sup>, & 29<sup>th</sup>) we have the MS Challenge in Palm Keys Resort, near Hilton Head. This is 3 days of walking approximately 35 miles each day. (*Not us, them!*) We will need 5-6 Sags, and for Rest Stops, oh about 3 to 4 each day. If you have any questions, give Mary – N4MH a call or email at: [n4mh@w4bfb.org](mailto:n4mh@w4bfb.org).

If you go to [www.ridemaps.com](http://www.ridemaps.com) you will find more info at Elena's website. We now have a Public Service email address. For general questions about any of our events, write to:

[publicservice@w4bfb.org](mailto:publicservice@w4bfb.org). Thanks to Ben for setting this up!! A really Webby guy!

I have been in touch with the MSS and they are still working on the final details for each event. They hope to have the information by the Club Meeting on March 27<sup>th</sup>. In the mean time, keep checking Elena's website for sign-up lists and who has and *HASN'T* signed up!

See ya on the course and 73

Jeff - KA4WYC

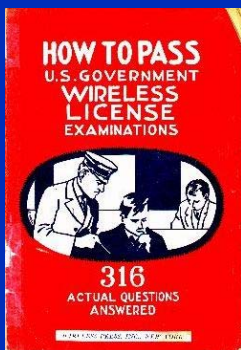
## Mecklenburg ARRL VE Team February Exam Update

The Mecklenburg ARRL VE Team held two VE sessions during February 2007.

On Saturday morning, February 17<sup>th</sup>, eight applicants arrived at the East Baptist church to take FCC exams for Amateur Radio licenses or credits for written elements. On Tuesday February 27<sup>th</sup>, seven applicants attended a 'paper-upgrade' session to upgrade their Technician licenses. The Mecklenburg VE Team processed 14 successful applications for ham radio CSCEs or licenses. Congratulations!

The Mecklenburg ARRL VE Team will be holding additional exam sessions over the next several months, watch the W4BFB web site for information on future test sessions.

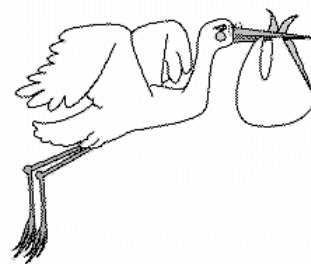
73 – Ben Antanaitis - WB2RHM



# New Arrival! Due Soon! In the Clubroom

The 2007 Hamfest afforded many opportunities to those who were looking to strike the best bargain for their ham radio dollar. The MARS Board of Directors also walked the floor in search of bargains for our members.

The W4BFB Ten-Tec Paragon, that held the centerpiece status of the W4BFB station for many years, had unfortunately grown 'long in the tooth'. While it still operated at top performance, it was subject to disastrous consequences should certain components fail in the future. It also was based on a design from a technology age that had past. Newer 'rigs' have superior Digital Signal processing, computer interfacing and control, plus sensitivity and filtering options that date the capabilities of the Paragon. Additionally, new club members would have to learn 'old technology' to use the Paragon to its best abilities. Considering this, the MARS Board of Directors surveyed the present options for new equipment with maximum return of invested club dollars for a new HF transceiver.



Over the years, MARS has had very good experiences with the Ten-Tec Corporation. Ten-Tec is a United States of America based company, located in Sevierville, TN. Our Discovery Place Amateur Radio Exhibit houses Ten-Tec Transceivers, Antenna Tuners, Linear Amplifiers, as well as power supplies. The W4BFB clubroom Paragon and the associated Hercules Linear Amplifier with its power supply come from Ten-Tec. So, talking to the Ten-Tec folks at the 2007 Hamfest seemed like a no-brainer.

MARS team struck a deal with Ten-Tec. We would 'trade-in' our Paragon for credit on a Jupiter transceiver. The Jupiter will drive the Ten-Tec Hercules Linear amplifier in the W4BFB clubroom, or run 100 Watts barefoot. See the Ten-Tec Website for detailed specifications. The Jupiter is supported by popular logging and contesting software through its RS-232 interface.

W4BFB now has another world-class transceiver to join the Kenwood TS-570s already owned.

73 – Ben - WB2RHM



## Upcoming Meetings

I truly hope all who attended the 2007 Hamfest had an enjoyable experience. Seems like everywhere I looked there was a new piece of equipment that I could not live without.

Our President, Jodie Rowland and I took time on Saturday to contact each vendor in both areas of the Hamfest making sure they felt welcomed. During these meetings, we learned of their concerns and desires for a successful event. The dealers also provided many suggestions as to how we could improve the Hamfest next year.

Ken Boyd, K4DXA will present our March program on "Band Interference" and how it affects our hobby. This is a growing problem and affects all of us so make sure you do not miss Ken's presentation.

Due to schedule conflicts, our April presentation has had to be postponed. If you have something of interest to the club that you would like to present at the April meeting, please contact me. We have had two great presentations so far this year and the March presentation looks like it will be another. We know we have members doing interesting things all of the time. Share your experiences. Let's keep the ball rolling in April.

73, Don - N4IZ

## Upcoming Events

Events for March and April include

March 24 ~ 25	-	CQ WW WPX - W4BFB 8AM-8PM Red Cross clubroom
March 27th	-	Monthly MARS meeting with Special Election
April 3	-	Monthly MARS Board of Directors Meeting
April 14	-	MS Society Run in Dillworth
April 27-29	-	MS Challenge Walk - Palm Keys Resort, SC

Also, please mark your calendars for the MARS Mini Field Day on May 19<sup>th</sup>. All members are encouraged to attend so if you have never participated in any HAM contest this is your opportunity to help us activate the club stations. All members are encouraged to attend.

73 Don - N4IZ

# March Board Meeting Minutes

Jodie called the meeting to order at 7:00. Present were Jodie, Jeff, Greg, Paul, Kevin, and Ben, with Bill, W4GRW, as a guest.

Jodie welcomed those who were present. She talked about plans for the upcoming 2007 Hamfest.

August arrived and a quorum was present.

Greg distributed and discussed the current budget.

Jeff spoke on Membership Services; we are still working on adding members to the database and printing out a Roster of members. 2006-2007 renewals are still coming in. We will have a campaign for 2007-2008 renewals in April. It was noted that the W4BFB membership year is July 1st thru June 30th.

Jodie proceeded to Committee Reports:

Repeater Committee – Changing programming of repeaters to account for DST.

Contest and events – Ben spoke about the club's NCQSO Party participation.

Grant and Resources – Kevin spoke about the Food Lion's 'Shop and Save' program. It's easy to sign-up online.

Jeff spoke about the club inventory. John, WB2NHQ, finished the inventory and will send a list to the Board. Some of the inventory will be up for sale, first to members and then to others. Bill, W4GRW, asked if Ebay might be useful to dispose of the surplus inventory.

Jodie announced that the W4BFB Holiday Party is scheduled for Dec. 1st. Jodie is working in finding locations. We are considering a different style of Holiday Party instead of a completely catered event.

Public Service Actives:

Jeff spoke on the Dilworth MS Walk April 14th .

The Challenge Walk is April 26th (6PM check-in), 27th, 28th, & 29th at the Palm Keys Resort in SC. Mary – N4MH is coordinating the Challenge Walk.

A discussion was held on creating new club T-shirts with a club logo. Bill had some suggestions for Field Day.

Ben spoke on Web site hosting. Talked on a special reflector for net controllers. This will be discussed with John as Net Manager.

Don, arrived and gave the VP report –

Hamfest Internal Security and the need for help.

A suggestion and discussion was held on the W4BFB fiscal year end.

The March program is Band Interference by Ken Boyd – K4DXA.





## Board Meeting Minutes (cont.)

The April meeting program is to be announced. A SkyWarn basic class could be used.

At each club meeting, we need to get the members attending to update, or check, the club database to ensure we have their info recorded correctly. Several members came by to check and updated their information.

Bill spoke about t-shirts and how he had located a vendor locally in the area. Costs are from \$10.00 and up for larger sizes. It was suggested that the Club Membership be asked for suggestions about the design and to ask them to email them to the Board. This would be a minimum set-up cost, with no minimum order. Fluorescent colors are available. Bill is to look into shirts and their cost for the ARRL FieldDay and the various W4BFB Public Service events.

Paul stated we are pursuing the awards WAS, WAZ and DXCC. Paul volunteered to be the QSL Manager for W4BFB and Bill stated we would register for Log Book of the World (LoTW).

Jodie observed that we need to refurbish the Club Room. Jeff, Bill, and Paul will check into costs. Ceiling, walls, and the lights are being evaluated.

New Business: August demanded that we delete certain wording on the W4BFB Web Site inferring that the March 24th Fox Hunt was a W4BFB sanctioned event. Ben stated that is was a common misunderstanding, as a lot of people thought it was an event put on by the Club only being run by August. August stated that at no time in his 45 minute W4BFB monthly club meeting presentation, did he say it was a W4BFB event. He said that this was, in fact, his and only his personally conducted amateur radio event. Ben apologized for the misunderstanding, and stated that the corrections requested would be made to the web site as soon as possible.

Jodie read of a letter she received from Irv – KF4KFN, which he has requested to resign from the Board of Directors due to health concerns. Jodie regretfully accepted his resignation.

At this point, August announced that effective immediately he resigned from the W4BFB Board of Directors and that he and his son may resign from MARS within the week. At this time, he turned in Clubroom key and Director badge, and left the meeting. A quorum still remained.

Jeff will develop a list of members qualified for the position of Director. Those members will be contacted to see who would be willing to run to fill out the remaining terms for N6TYE and KF4KFN. Notification and Proxies will be sent to the members, and be voted at the March 27th meeting per the By-Laws.

Ben spoke of the possible replacement of the Paragon in the clubroom. A discussion on the merits of the TenTec Jupiter vs. the Paragon was held. Ben will talk to Ten-Tech at the Hamfest for trade-in value of the Paragon. There may be a Jupiter that is on the Ten-Tech used equipment list that will be at a good price with the most current firmware update installed.



# March Board Meeting Minutes (cont.)

Bill stated that Phil K4ATM will donate a club room door lock that is operated by push button.

Jodie presented the MOU with Gaston ARES. This is an agreement for the Gaston ARES to use the 145.230 W4BFB repeater for their Net and in the event of an emergency.

Jodie accepted a motion to adjourn, by Paul, seconded by Don. The meeting concluded at 9:17PM

Submitted by Jeff KA4WYC Secretary W4BFB



## Food Lion MVP Money Opportunity for W4BFB

The Mecklenburg Amateur Radio Society now appears as an organization to which MVP cards can be linked. Here's the web address to begin the process:

<https://www.foodlion.com/IntheCommunity/ShopandShare/secure/RegisterMVPCards.asp>

1. Click on "Select Organization"
2. Select "NC" from the state drop down box
3. Select "Charlotte" from the city drop down box
4. Select "Mecklenburg Amateur Radio Society" from the organization drop down box
5. Click "Add MVP Cards" and follow the directions. Be sure to input all 12 numbers on the back of your MVP card.



We need a total of 25 linked cards to participate in this program. To date we're about half way there. Our club has an opportunity to earn up to \$350 per quarter through this program. Note, you don't have to be a member of MARS to link your VIP card.

73

Kevin - KI4KFS

# Dits and Dahs

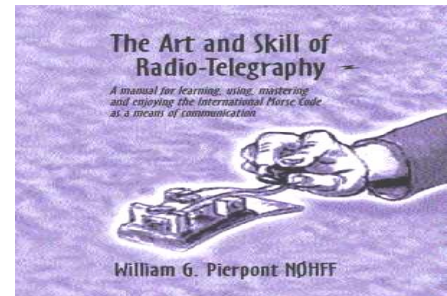
This is being written after a grueling contest at the MARS Club Station – W4BFB in the Red Cross Chapter. Our Club participated in the NC QSO Party. We had a good time and everyone that showed up got to operate. And some were forced to operate! Hi! We may not place 1<sup>st</sup>, but maybe somewhere near the top. More on that in other articles in this Newsletter.

The best way to finish 1<sup>st</sup> is to use CW, which carries double the point value. We chose Phone 'only' for the ease of operation and 'best' method for our purpose. *That purpose was to get Members use to operating a Contest, and to have FUN!*

I am nowhere near the capacity for operating a contest on CW. But I'll keep on practicing. I've been reading the forums of SKCC, ARRL and QRZ websites, where our fellow Hams are crying the demise of Amateur Radio. Some state with the removal of the Morse code requirement, "it will end Amateur Radio". *Oh HOG WASH!!* The only thing the FCC did was to remove it as a testing element! The main thing the Techs have gained, are the few KHz of phone on 10 meters, and a lot of MHz on CW!! Now ain't that a twist! So if you want to increase your frequencies, you got to learn CW. Let me put that soapbox away.

Here's a little bit of history repeating itself. In a book titled, "The Art and Skill of Radio-Telegraphy" by William G. Pierpont-N0HFF, he wrote a brief history of the US licensing requirements. If you look at the history of code speed requirements in the U.S., you will see that we have come full circle.

Pre 1912 0 wpm  
 1912 5 wpm  
 1919 10 wpm  
 1923 10, 20 wpm  
 1933 10 wpm  
 1936 13 wpm  
 1951-52 5, 13, 20 wpm  
 2000 5 wpm  
 2007 0 wpm



"For those who are interested in telegraphy, for those who would like to learn it, for those who love it, and for those who want to improve their Skills in it." N0HFF

This is a great read in learning the History and Art CW. By the way, this is a free .pdf file for you to download at:

<http://www.qsl.net/n9bor/n0hff.htm>

I made a typo in my last article. The Web site for the Straight Key Century Club should be: [www.skccgroup.com](http://www.skccgroup.com) I had added an "s" to the group. I hope you have enjoyed these articles.

73 – Jeff KA4WYC



# How a Light Bulb Turns On

When we first learn about electricity, we are taught that electron flow is what makes light bulbs light, motors run and electrical devices work. There are many examples. Vacuum tube amplifiers, microwave tubes and even the ubiquitous CRT all rely on electron motion. But, ironically enough, the most common use of electricity – switching on and off a light bulb – defies this concept.

This is because electron movement in a conductor is S L O W. A toddler can crawl faster than an electron can move!

So how do we explain that, when we flip a switch on the wall, an incandescent lamp dozens of feet away instantaneously illuminates, or a voltmeter's meter suddenly springs to attention? Surely, toddler-speed electrons could not flow from the switch to the device in such a short time?

The answer is seldom found in textbooks. But it is simple and straightforward.

When the switch is thrown, an electromagnetic field begins traveling along the conductor at the speed of light, 186,300 miles per second. Depending on the field's polarity, free electrons hovering the conductor's surface are either drawn onto the surface or repelled further away from it.

An accumulation of electrons at the surface gives rise to a negative voltage. A dearth of electrons at the surface represents a positive voltage.

The important fact is that, while those electrons travel at toddler-crawling speed, they only have to move a few microns in order to accumulate on the surface or disperse from it. This takes a very short time. Thus, it *appears* that electrons have traveled at light speed from the switched source to the load. In actuality, the electrons were already in the conductor and have simply moved a few millionths of an inch.

Naturally, there is a lot more to the process than can be described in a few short sentences. Some of the “more” can help us understand how a capacitor *really* functions. In addition, there are some helpful clues contained in this process that may help to explain *why* an antenna radiates.

But those can wait for another time!

73 - Bill Miller - KT4YE



# March 25th - A Bit of MARS History

*An Account by Buck Wortman W4CYB(sk)*

The Mecklenburg Amateur Radio Society became an incorporated organization on the 25th

day of March 1949.

Some think that thirteen is an unlucky number but many consider it to bring luck. There were thirteen individuals who were the charter members of this club, twelve of whom held valid amateur licenses.

The idea of forming such an association was born in the minds of some three or four amateurs two or three years prior to its formal incorporation.

[As history has shown, over and over again, those individuals who were actually present at historic events sometimes view those events differently. The exact circumstances surrounding the formation of the Mecklenburg Amateur Radio Society are themselves subject to different eyewitness accounts. However, in giving our full honor to our forefathers, we, the members in the present must give full credence to each and every first-person account offered. – WB2RHM]

In the days following World War II, amateur radio was regaining some interest and activity was resuming, after having been terminated during the war by federal edict. Occasionally a few Hams gathered in a 20 by 20 foot recreation room which was part of a workshop situated behind the residence of Sam McNinch W4FUA, on Sharon Lane in Charlotte, N.C. They helped Sam put together his station, which consisted mostly of surplus war equipment. It became sort of a gathering place for a few Hams. They assembled on a random basis and discussed operating practices, or the construction of transmitters and receivers, talked about chasing DX, and other general topics concerning amateur radio. During this era a comradeship developed where the fellows helped each other both in station construction as well as operating protocol. Help was available in putting up antennae, chasing down bugs in one's equipment, or clearing up TVI, which was a brand new problem. Out of this mutual interest in amateur radio grew the formation of the Mecklenburg Amateur Radio Society.

73

Ben - WB2RHM



**This Plaque hangs in the Discovery Place Amateur Radio Exhibit in honor of our founding members.**

# Special Election Notification/Proxy

## Mecklenburg Amateur Radio Society- -W4BFB--

### Notice of Special Election to Fill remaining term for 2 MARS non-officer Director Positions

On Tuesday March 27<sup>th</sup>, 2007, a brief Business meeting of MARS will be held immediately prior to the regular monthly club meeting, for the purpose of a Special Election to fill the remaining term of 2 MARS non-officer Directors. The remainder of these terms end on December 31<sup>st</sup> 2007.

The currently declared candidates for the remaining terms of the two vacant non-officer Directorships are:

*(Select two only or use write-in!)*

Bill Fisher, W4GRW

Shawn Goodin, K4RSG

Andy Hawkins, G4GKK

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To submit a proxy, you may present one at the meeting, mail one, or Email one to the [MARS Secretary](#): Jeff Blythe, KA4WYC, email: [BALLOTS@W4BFB.org](mailto:BALLOTS@W4BFB.org), 1122 PINE KNOT CT. CLOVER, SC 29710-9677.

NOTE: *Proxies must be received before Monday March 26<sup>th</sup>*

You may use this notice as a written proxy, by printing it, signing it, and returning it to [KA4WYC](#) with a check mark next to those candidates you will be voting for, a cross out through the name of those you vote against, and/or a write-in name for alternate candidate(s). (Write-ins are subject to qualification review, their agreement to hold office if elected, and a seconded nomination at the election.)

To file an email proxy, send an email with your name and callsign plus the names of your choices for the positions to: [BALLOTS@W4BFB.org](mailto:BALLOTS@W4BFB.org)

## **Mecklenburg Amateur Radio Society— <http://www.w4bfb.org>**

**Club Meetings** The Mecklenburg Amateur Radio Society meets on the last Tuesday of each month at 7:30 PM

We meet at:

East Baptist Church  
6850 Monroe Rd  
Charlotte, NC 28212

(Next to East Mecklenburg High School, near Conference Drive)

**Clubroom** Red Cross Building  
2425 Park Rd, Room 023  
Charlotte, NC 28203  
(704) 334-3900

**Club Repeaters** 146.34/146.94 (w/autopatch)  
146.63/145.23 (no autopatch)  
144.69/145.29 (no autopatch)  
222.80/224.40 (no autopatch)  
449.600/444.600 (no autopatch) PL 100.00

### **Mecklenburg 2m Emergency Net**

9:00 PM local time, daily on 146.34/146.94 featuring the ARRL Audio News feed on Sunday night.

Alternate frequencies announced

## **Club Officers and Board of Directors**

### **President**

Jodie Rowland, KI4CXO, [ki4cxo@w4bfb.org](mailto:ki4cxo@w4bfb.org)

### **Vice President**

Don Biltcliffe, N4IZ, [n4iz@w4bfb.org](mailto:n4iz@w4bfb.org)

### **Secretary**

Jeff Blythe, KA4WYC, [ka4wyc@w4bfb.org](mailto:ka4wyc@w4bfb.org)

### **Treasurer**

Greg Onachila, KG4IOE, [kg4ioe@w4bfb.org](mailto:kg4ioe@w4bfb.org)

### **Directors**

Paul Ponak, AD4IE, [ad4ie@w4bfb.org](mailto:ad4ie@w4bfb.org)

Ben Antanaitis, WB2RHM, [wb2rhm@w4bfb.org](mailto:wb2rhm@w4bfb.org)

Kevin Keyes, KI4KFS, [ki4kfs@w4bfb.org](mailto:ki4kfs@w4bfb.org)



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