



Mid-Atlantic Amateur Radio Club

www.marc-radio.org

P.O. BOX 557
EAGLEVILLE, PA
19408

REMARCS

Next Meeting: January 20, 2015 at 7:30 PM

JAN/FEB 2015

VOX

LETTER FROM THE MARC PRESIDENT

Welcome to 2015! I hope you all had a good holiday season and I wish everyone the best for the New Year.

2014 was a great year for MARC. A few notable things include the fact that our membership increased to over 100, including some younger folks and a few non-licensed members who are working on their tickets. We were also very active with the Boy Scouts including more than 20 scouts earning their Radio Merit Badge at Field Day and the club's participation in the Jamboree on the Air.

We have lots of great things planned for 2015 so please keep the following in your minds and on your calendar:

- Saturday Breakfasts – 2nd Saturday of the month, 9 AM at the Country Squire Diner in Newtown Square
- January 20 – club meeting featuring Sal (NC3U) talking about the Yaesu Fusion System
- February 7 VE Test Session – note the new location at the Lower Providence Township Building in Eagleville, run by Dick Stewart our new VE Liaison
- April 21 – club meeting – Annual Junque Auction – Auctioneer Dennis (K3DS). Bring stuff to sell and who knows what deals you might pick up!
- June 27/28 Field Day – hopefully we'll have good weather
- July 11 – Hamfest – hopefully more good weather

Also:

- The Marple Newtown Amateur Radio Club is hosting a Free Ham Radio Technician Class License course starting February 7 – a flyer on this was sent out to all members.
- Rich Russo (KB3VZL) is our Program Chair and he's always looking for program ideas and folks to make presentations at our monthly meetings. Please let him know if you would like to make a presentation or know of someone who would be willing to do so
- We are working hard to increase participation in our nets and hopefully increase the number of nets we are conducting. The club has made significant investments in repeater equipment including the installation of the Yaesu Fusion DR-1.
- We are looking for a new Net Control Manager to take over from Yak (N3MQM) who faithfully held that job for many years. Everyone is encouraged to check in.
- One of our goals for 2015 is to develop a "MARC Brochure" that will provide general information about the club and its many benefits and something that can be handed out to friends, anyone who may be interested in ham radio and would also be available at our VE test session, Field Day and the Hamfest.

I'm looking forward to another great year for MARC and I hope to see you all soon.

73/Steve Werner – KD3WK
MARC President

Club members who are regular readers of QST magazine may have recognized a familiar name in the recent December 2014 issue. Featured in the Hints and Kinks department on page 58 is MARC Club member Rich Russo, KB3VZL. His idea for equipment "Tilt up Feet" was chosen for the publication.

Keep an eye out for the February 2015 issue of QST. Rich's idea for a DMM Field Strength Meter is scheduled for publication.



Rich Russo, KB3VZL and his lovely wife Ginny, who often portray Mr. and Mrs. Claus at many events during the holiday season

Inside REMARCS

Letter from the MARC President	1
VOX	1
MARC Members Assist at Vietnam Veterans Run	2
New Location For MARC VE Tests	2
Patron Saint of Ham Radio Operators, SP3RN	3
MARC Holiday Party 2014	4
MARC December Board Meeting Minutes	5
Minor Events Can Have Lasting Consequences by Jim Smith, K3RTU	6
Reward Offered	7
PA 67 Challenge Award	7
Ham Radio Apps for iPhone and Android	8
Special Offer From West Mountain Radio	10
Membership Dues	11

MARC Members Assist at Vietnam Veterans 5K Run in November

MARC members helped to provide safety and logistical communication services at the Vietnam Veterans Memorial 5 K Run in Norristown on Sunday, November 16.

Support of this event helps to fund The Vietnam Veterans of America Valley Forge Chapter 349's Community Service Programs such as The Wounded Warrior Project, Principled Warrior Foundation, sponsorship/assistance of the Norristown High ROTC, Operation Dust-Off (assists veterans and their families in need of the basic necessities of life by providing food, clothes and toys for children at the holidays), sponsorship of the Boy Scouts of America in their efforts and assistance of Chapter 349 in placing flags at Veterans gravesites in Old Montgomery Cemetery, and sponsored benefit for the Family Support Group of the 1-111 Striker Battalion.

Thank you to everyone below that helped to make this event a success!



Rich Russo, KB3VZL, Steve Ikler, KS3K, Jim Perry, KJ3P, Sam Mitchell, WA3LGL, Josy Malebranche, WQ3E, Bob Palin, N3JIZ, Brian Kelly, AA3BK and Jim Smith, K3RTU.
Absent from photo: Will Emmons, K3WIL

MARC VE TESTS- New Location

MARC provides VE Test Sessions quarterly on the first Saturday of the months of February, May, August and November at 0900.

Beginning in February, testing will be hosted at the Lower Providence Township Building at 100 Parklane Drive in Eagleville, PA.

Directions: At the traffic light at Ridge Pike and Eagleville Road, go north on Parklane Drive (away from the Brother Paul's Restaurant) and follow the long driveway to the township building; parking is available in front of and behind the township building. Use the front door entrance by the flag pole, and turn left once inside the building. The VE Test Sessions are coordinated by Dick Stewart K3ITH (k3ith@arrl.net).

Note- In the last issue of REMARCS, Dick, K3ITH's last name was misspelled as Stuart, his correct last name is Stewart. We apologize for the error.



MARC Info

wb3joe@marc-radio.org
<http://www.marc-radio.org>

MEMBERSHIP MEETINGS -

3rd Tuesdays, 7:30 PM (Doors open at 7:00 PM)
Community Meeting Room (in the front) of the
Tredyffrin Township Municipal Building, 1100
DuPortail Road, Berwyn, PA 19312-1079.
Guests Welcome, Smoke Free, Handicapped-
accessible.

BOARD MEETINGS -

2nd Tuesdays of even months, 7:00 PM
Paoli Hospital, Willistown Meeting Room, Paoli, PA.
Members may attend as observers.

WB3JOE REPEATERS (CTCSS or PL = 131.8 hz) -

145.130 - / 147.060 + / 147.360 + / 224.420 - / 224.5 -
/ 445.675 - / 444.050 -

The 145.13 and 147.06 2-meter repeaters are linked. The 147.36 MHz, the 224.50 MHz and the 444.050 MHz repeaters are linked.

WEBMASTER -

Dennis Silage K3DS

k3ds@marc-radio.org 610-353-4829

2-METER NETS -

Club Net, Wednesdays, 8:30 PM

These nets occur on linked 145.13 - / 147.06 + Repeaters

NET MANAGER -

NET CONTROL OPS -

Alan K3WWT, Bob N3JIZ, Steve N1HDP, Miguel KC2HMG, Yak N3MQM, Rob KB3WIR, Brenden W3VD, Mike WB2UQV and Bob WB3T

DUES - Payable at the March Meeting

\$15 Full (Licensed Amateurs)

\$5 Associate (unlicensed persons)

Family rate \$5/ham - after first member pays full dues

NEWSLETTER -

The REMARCS editor is Mike, KF3CD,
kf3cd@arrl.net. Do you have something for the next issue? Please let me know!



PATRON SAINT OF HAM RADIO OPERATORS: ST. MAXIMILIAN KOLBE, SP3RN

Did you know that there is a Patron Saint of ham radio operators?

Saint Maximilian Kolbe (8 January 1894 – 14 August 1941) was a Polish Franciscan friar. During the German occupation of Poland, the priest Fr. Maximilian Kolbe, SP3RN was arrested by the Germans because they believed his amateur radio activities were somehow involved in espionage. He was transferred to Auschwitz on May 28, 1941 and after some of the prisoners escaped, the Germans ordered that 10 prisoners be killed in retribution. Fr. Kolbe was martyred when he volunteered to take the place of one of the condemned men.

On October 10, 1982 he was canonized by Pope John Paul II as Saint Maximilian Kolbe and declared a Martyr of charity. Pope John Paul II declared him "The Patron Saint of our difficult century" and he is considered the Patron Saint of amateur radio operators.

Eastern Pennsylvania to Start the New Year With a New Section Manager

Joseph Ames, W3JY, of Malvern, PA, became ARRL Eastern Pennsylvania Section Manager on January 1, 2015. He will complete the remaining term of the incumbent SM, Bob Famiglio, K3RF, who became Atlantic Division Vice Director when the new year began. Ames has been appointed to succeed him in that role.

ARRL Field Services and Radiosport Manager Dave Patton, NN1N, made the appointment after consulting with incoming ARRL Atlantic Division Director Tom Abernethy, W3TOM. Ames's appointment as Section Manager continues until March 31, 2016.

A ham since 1977 and an ARRL Life Member, Ames brings a wealth of Field Organization experience to his new position. In the 1980's he served as Section Traffic Manager and was once president of the Carbon County Amateur Radio Club.

More recently, Ames has been an Assistant Section Manager in Eastern Pennsylvania since 2008 and currently holds Official Emergency Station and Official Relay Station appointments. He was also elected as the new Eastern Area Staff Chair of the ARRL National Traffic System, effective on January 1, 2015. Ames will take over the reins of that position from Marcia Forde, KW1U. Ames also serves as net manager of the Eastern Pennsylvania Emergency Phone and Traffic Net.

Ames is the training and safety officer for Delaware County ARES/RACES and is active with the Chester County ARES/RACES organization. He's a Volunteer Instructor for ARECC and as a Volunteer Examiner with the ARRL VEC. He is the manager of the Pennsylvania Eastern Area RACES Net.

An avid outdoorsman, his primary operating interest is emergency, mobile, and field/portable communication. His favorite modes include CW, sent on a vintage Vibroplex "Lightning Bug" using a vintage Yaesu FT-101 transceiver.

MARC Board of Directors 2014-2015

PRESIDENT

Steven Werner KD3WK

kd3wk@marc-radio.org 610-574-6836

VICE PRESIDENT

Stephen Ikler KS3K

ks3k@marc-radio.org 610-662-2768

SECRETARY

Sal Marandola NC3U

nc3u@marc-radio.org 610-306-2817

TREASURER

Lou Ruh WX3I

wx3i@marc-radio.org 610-630-9146

PUBLIC SERVICE

Bob Palin N3JIZ

n3jiz@marc-radio.org 610-687-4587

TECHNICAL SERVICE

Dennis Silage K3DS

k3ds@marc-radio.org 610-353-4829

MEMBERSHIP SERVICES CHAIRMAN

Chris Ruhl N3GBJ

n3gbi@marc-radio.org 484-494-7572

PUBLIC RELATIONS CHAIRMAN

Jim Biddle W3DCL

w3dcl@marc-radio.org 610-353-0880

PROGRAM CHAIRMAN

Richard Russo KB3VZL

kb3vzl@marc-radio.org 610-539-2999

MEMBERS-AT-LARGE

To 9/30/2016 -

Doug Wilkens NE3U

ne3u@marc-radio.org 610-692-6819

To 9/30/2015 -

Jim Smith K3RTU

k3rtu@marc-radio.org 610-494-5897

CALLSIGN TRUSTEES

- WB3JOE

Dennis Silage K3DS

k3ds@marc-radio.org 610-353-4829

- W3NWA

Dieter Hauer K3DK

k3dk@marc-radio.org 610-489-1920

MARC HOLIDAY PARTY

Saturday, December 13, 2014

Chicago Uno Pizza and Grille

Newtown Square

Photos courtesy of Doug Wilkens, NE3U and Mike Pilotti, KF3CD

Congratulations to Josy Malebranche, WQ3E, who won this year's MARC Incentive Award, a \$100 gift certificate to Ham Radio Outlet! Each club member who does work for the club, gets a chance to win this award, that is drawn at the annual holiday party. Examples of entries are as follows: Public Service events, VE test sessions, Field Day setup and break down, Hamfest, Kimberton Fair, newsletter articles, club sanctioned events and net control operators. Only members in good standing are eligible to win and the winner need not be present to win.



MARC BOARD MEETING MINUTES: December 13, 2014

Officers Present: NC3U-Sal, K3DS- Dennis, K3RTU- Jim, KB3VZL- Rich, NE3U- Doug, N3GBJ- Chris, W3DCL- Jim, KD3WK- Steve, WX3I- Lou.

Officers Excused: KS3K- Steve, N3JIZ- Bob, K3DK- Dieter

- 1) Approval of minutes of October 14, 2014 Board Meeting
- 2) Treasurer's Report
 - a) Current account balance- \$12,587.57 checking, \$300.31 cash
 - b) Paid membership status: 103 members
 - c) Annual Audit
 - i) Due to Board in September- will remain until changed by by-laws
 - ii) What additional items should be added to the current audit format
- 3) Programs for general meetings
 - a) Programs for 2015
 - i) January – Yaesu Fusion System – Sal Marandola NC3U
 - 4) Old business
 - a) Incentive Award Program – Chris Ruhl (N3GBJ)
 - i) Has there been a benefit, should the program be continued? Will continue as it is now
 - b) Nets
 - i) Need Net Control Manager- Miguel?
 - ii) How to Increase attendance?
 - 5) New Business
 - a) Hamfest 2015 & beyond
 - i) Need to establish better financial controls for tickets and cash
 - ii) Designate co-captain or committee to assist Mike Pilotti---NC3U offered to help Mike
 - b) MARC Bylaws – Changes
 - i) What changes are desirable?---changes will be discussed at February BOD Mtg.
 - ii) How to adopt changes given current bylaw requirements
 - c) MARC Brochure---can be handed out at Hamfest, VE sessions, Club Events and Meetings.
- Business cards may be a good idea. Steve KD3WK will provide samples
- 6) 2014/2015 Board Meeting Schedule
 - a) February 10, 2015
 - b) April, 14, 2015
 - c) June 9, 2015
 - d) August 11, 2015
 - e) October 13, 2015
 - f) December – prior to Holiday Party



Do you have a ham radio related item to sell, trade or give away? Is there a radio related item you are looking for? Club members' classified ads for ham radio related items are published free of charge. Contact the editor at kf3cd@arrl.net to submit an ad for the next issue of REMARCS.

For Sale: Bearcat 210XL 18 channel programmable scanner with AC power cord and 12v power cord.
\$20.00. Contact Rich at kb3vzl@verizon.net.

Free: CDE-44 Antenna Rotor (might be a Ham IV?) for parts. Do not have the controller.
Easy fix, just needs a new ring gear. Contact Mike at kf3cd@arrl.net.

Free: ALINCO DR-110 2 meter VHF mobile radio. Tech special, powers on but does not work.
Contact Mike at kf3cd@arrl.net.

MINOR EVENTS CAN HAVE LASTING CONSEQUENCES

By Jim Smilth, K3RTU

Photo: Jim Smith as a 15 year old Novice in 1962

The Receiver is a Heathkit AR3

Xmtr is a 50 watt Heathkit HX11



In 1957 an event occurred in my young life that was to have a very lasting impact on me. This event would have only a seemingly minor impact at first, but like many events it grew to be life changing. The event that I'm referring to involved a gift of an old, beat up shortwave receiver from a neighbor. It took me quite some time to figure out how it worked and what all the knobs and switches did that were on its front panel. Remember, there was no internet then and very few ways for an eleven year old to find out anything about such a magnificent device as a short wave receiver. Oh sure, I knew how to plug it in and figured out how to turn it on; which by the way was no small feat for an eleven year old because of its condition. Unfortunately it had seen better days by the time I got it and most of the paint had chipped off the front panel around the switches and knobs so it was extremely hard for me to figure out what was what.

As it turned out I was able after many weeks of playing with it to figure out what were the functions of most of the knobs and switches. The one that seemed to elude me was the switch labeled "STAN". You guessed it, it was a standby switch, but due to the paint being badly chipped away I couldn't read the rest. Even if I could I wouldn't have known what it meant for a while or at least until I started to listen to the Hams. After stringing a wire across my bedroom ceiling I immediately began listening to the major shortwave broadcast stations like the Voice of America, Radio Moscow, the BBC and many others. Remember the Cold War was really heating up back then and it made for some really interesting listening. Eventually, however, I started to pick up other voices in between the booming broadcast signals. I didn't really know what Ham radio was, but by listening I eventually figured it out. One older gentleman name "Roger" and whose call was W3EBM or as he like to say "3 Empty Beer Mugs" provided me with many fascinating hours of listening. To say that Roger liked to chew the rag would be quite an understatement. Believe it or not I learned a great deal about Ham radio from Roger and many other of the Hams running AM. You see sideband was just, and I mean just, coming on the scene and AM was still the king, at least for a little while longer. I first became aware of SSB when I heard the AM'ers talking about "slop bucket". Many a heated "on air" argument could be heard when a "slop bucket" station had the "audacity" to operate anywhere near an AM station. It didn't really matter to me that I couldn't make out what the stations running SSB were saying because even with the BFO on, that old receiver was too hard to tune in on a SSB signal.

My interest in the "radio thing" really took off when I saw my first Allied Radio catalog, Lafayette Radio catalog, Heathkit catalog, and QST. These wonderful volumes provided me with countless hours of enjoyment between homework, chores around the house and football practice. Within a few years of receiving that old receiver I had taught myself Morse code, joined the ARRL and studied enough ARRL license manuals and other ARRL publications to pass the Novice test. During the first week in January 1962 I received a little white envelope in the mail; my Novice license. My call KN3RTU. Within six months I had passed the 13 wpm code test as well as the theory test to get my General Class, which I had to take at the FCC Office in the Federal Customs House in Philadelphia. Oh, by the way I built and used at least two other receivers from Heathkit while I was a newly licensed Ham, but never used the old receiver that started it all. Many years later I found out that the old radio had been built sometime in the late 1930's and marketed under the ECHOPHONE brand name. Do I still have it? I wish, but I gave it to another aspiring Ham. I only hope he gave it a good home!

REWARD OFFERED

A REWARD OF 500 MICROFARADS IS OFFERED FOR THE INFORMATION LEADING TO THE ARREST OF

HOP-A-LONG CAPACITY

THIS UNRECTIFIED CRIMINAL ESCAPED FROM A WESTERN PRIMARY CELL WHERE HE HAD BEEN CLAMPED IN IONS AWAITING THE GAUSS CHAMBER.

HE IS CHARGED WITH THE INDUCTION OF AN 18 TURN COIL NAMED MILLI HENRY WHO WAS FOUND CHOKED AND ROBBED OF VALUABLE JOULES. HE IS ARMED WITH A CARBON ROD AND IS A POTENTIAL KILLER. CAPACITY IS ALSO CHARGED WITH DRIVING DC MOTOR OVER A WHEATSTONE BRIDGE AND REFUSING TO LET THE BAND-PASS.

IF ENCOUNTERED, HE MAY OFFER SERIES OF RESISTANCE. THE ELECTROMOTIVE FORCE SPENT THE NIGHT SEARCHING FOR HIM IN A MAGNETIC FIELD, WHERE HE HAD GONE TO EARTH. THEY HAD NO SUCCESS AND BELIEVED HE HAD RETURNED OHM VIA A SHORT CIRCUIT.

HE WAS LAST SEEN RIDING A KILOCYCLE WITH HIS FRIEND EDDY CURRENT WHO WAS PLAYING OHM ON THE RANGE ON HIS HARMONIC.



Pennsylvania "67" Challenge Award

Amateur Radio operators around the world have the opportunity to participate in the Pennsylvania "67" Challenge.

Sponsored by our good friends at the Holmesburg Amateur Radio Club, the Challenge is to make contact with all 67 Pennsylvania Counties. The Challenge is open to all amateur radio operators regardless of individual station capabilities. All contacts must be 2-way communications made in real time. These contacts may be on any Amateur Radio band/mode.

Contacts made using repeating devices such as FM repeaters, Amateur satellites, moon-bounce, and keyboard-to-keyboard contacts through digipeaters/nodes are valid, because these QSOs are made in real or near-real time. Contacts using IRLP, Echolink, or D-Star are valid as long as a radio is being used by both operators. All contacts must be made from the same county.

As an incentive, Pennsylvania "67" Challenge certificates may be earned by working stations in 20, 40, 60, or all 67 Counties. Paper or electronic QSLs are acceptable. The contacts can be verified by a local club officer or mailed to the Holmesburg Amateur Radio Club.

Complete rules are posted on the HARC website at

www.harcnet.org

Questions on the Award can be directed to HARC at WM3PEN@ARRL.NET.

HAM RADIO APPS FOR IPHONE AND ANDROID

There are hundreds of apps available for ham use. Some are great, some are not so great. Below are some of the more popular apps that are free or low cost. Tnx to Bob Witte, K0NR and Sholto Fisher, K7TMG for compiling these lists and allowing me to reprint them.

iOS APPS: List compiled by Bob Witte K0NR (k0nr.com)

Ham I Am (Storke Brothers/Free)

A handy app that covers some basic amateur radio reference material (Phonetic alphabet, Q Signals, Ham Jargon, Morse Code, RST System, etc.) Although I find the name to be silly, I like the app!

Maidenhead Converter (Donald Hays/Free)

Handy app that displays your grid locator, uses maps and does lat/lon to grid locator conversions.

HamClock (Ben Sinclair/\$0.99)

A simple app that displays UTC time and local time. This one reads out to the second.

Call Sign Lookups:

CallBook (Dog Park Software/\$1.99)

Simple ham radio callbook lookup with map display.

Call Sign Lookup (Technivations/\$0.99)

Another simple ham radio callsign lookup with map display.

Repeater Directory

RepeaterBook (ZBM2 Software/Free)

This app is tied to the RepeaterBook.com web site, works well and is usually up to date.

Mobile Logbook

HamLog (Pignology/\$0.99)

This app is much more than a logbook because it has a bunch of handy tools including UTC Clock, Callsign Lookup, Prefix list, Band Plans, Grid Calculator, Solar Data, SOTA Watch, Q Signals & more.

HF and VHF propagation:

WaveGuide (Rockwell Schrock/\$2.99)

This is an excellent tool for determining HF and VHF propagation conditions at the touch of a finger.

EchoLink:

EchoLink (Synergenics/Free)

Make EchoLink QSOs directly from your phone!

Full featured EchoLink client for iPhone.

APRS:

Ham Tracker (Kram/\$2.99)

APRS app, works well, uses external maps such as Google & aprs.fi.

"Share" feature allows you to send an SMS or email with your location information.

Satellite Tracking:

Space Station Lite (Craig Vosburgh/Free)

A free satellite tracking app for just the International Space Station.

It has annoying ads but it's free.

Summits On The Air (SOTA):

Pocket SOTA (Pignology/\$0.99)

A good app for finding SOTA summits, checking spots and accessing other information.

SOTA Goat (Rockwell Schrock/\$4.99)

This is my favorite app for SOTA activity (finding summits, checking/posting spots and alerts, etc...)

Morse Code:

Morse-It (Francis Bonnin/\$0.99)

This app decodes and sends Morse audio. There are fancier apps out there but this one does a lot for \$1.

Android APPS: List compiled by Sholto Fisher, K7TMG

Simple Utilities:

Ham Radio Tools (V_Firefighter/Free)

A simple all-in-one utility to assist ham radio operators. Callsign lookup; GPS; Wavelength calculator; logging & more.

HamGPS (Miguel A. Vallejo, EA4EOZ/Free)

Maidenhead locator, lat/lon to grid locator conversions, and useful to align antennas in microwave DX activities.

Ham (Smerty Software/Free)

Open Source Ham Radio App for Android. Solar / calculated band conditions, Maidenhead Grid Locator & Callsign lookups via QRZ.com XML subscription. Works great with premium QRZ.com accounts.

Call Sign Lookups:

Ham Radio Call (Roy Watson, N1ZTL/Free)

U.S. based ham radio callsign lookups with maps.

Ham Finder (KD7UIY/Free)

Displays grid locations using maps, does lat/lon to grid locator conversions. Check the DXCC of a callsign.

Looks great on tablets.

Repeater Directory:

Repeater (ZBM2 Software/Free)

Easily find Amateur (Ham) Radio Repeaters across the world.

Mobile Logbook:

Ham Radio Log (Talixa Software/Free)

Simple logbook for amateur radio enthusiasts with ADIF export.

HF and VHF Propagation:

MyHF_Map HAM Radio MUF maps (agtim.ch/\$2.70)

Propagation at a glance. During map view you can switch between HPF, MUF, FOT and each hour of the day (UTC).

EchoLink:

EchoLink (Synergenics/Free)

Make EchoLink QSOs directly from your phone! Full featured EchoLink client for Android.

APRS:

APRSdroid (Georg Lukas/\$4.95)

It allows reporting your position as well as sending and receiving messages.

It also conveniently displays nearby stations as a list or on a map.

Satellite Tracking:

ISS Detector Satellite Tracker (RunaR/Free)

ISS Detector will tell you when and where to look for the International Space Station

Summits On The Air (SOTA):

SOTA Finder (ZBM2 Software/Free)

Easily find SOTA Summits near you with complete database across the world.

Pocket SOTA (Pignology/\$0.99)

Carry the Summits on the Air (SOTA) summit database with you on your Android device.

Morse Code:

Morse Code (PixelCan/Free)

Translate text into Morse and vice-versa. Tidy interface makes it real easy to use.

Flashlight, sound, and vibration features as well.

Android™ Apps to use with RIGblaster Blue

Morse Code:

Morse Decoder (Wolphi/\$4.99)

Decode live CW via your Android device's built-in microphone or the RIGblaster Blue interface.

Digital Modes:

DroidPSK (Wolphi/\$5.49)

Transmit & receive PSK31 on your Android device. Easy to use and lots of macros make this an excellent app!

DroidRTTY (Wolphi/\$5.49)

Transmit & receive RTTY on your Android device. Sensitive decoding of ham and commercial RTTY signals.

Maritime Signals:

HF Weather Fax (Wolphi/\$9.99)

Display gray scale live HF weather fax pictures on your Android device.

DroidNavtex (Wolphi/\$9.99)

Decode live Maritime Navtex signals on your Android device. Weather forecasts, warnings and other information are shown on the display.

SSTV:

DroidSSTV (Wolphi/\$6.99)

Here's a novel way of operating SSTV! Use your smartphone's camera (or existing image) to have fun with SSTV. Full RX/TX capabilities

WEST MOUNTAIN RADIO OFFERS DISCOUNT TO MARC MEMBERS ON RIGBLASTER BLUE

Our friends at West Mountain Radio www.westmountainradio.com have a special offer for MARC members, on their RIGblaster Blue. *This offer expires on February 28th.*

For individual purchases:

Use Discount/Promo Code "MARC20" in the cart to receive \$20.00 off a RIGblaster Blue product (only).

For club/group purchases:

When the club orders 10 or more units of the RIGblaster Blue, each item will receive 15% off. That's approx. a \$30.00 savings! This order must be called into their Sales Department and does not include shipping. If you are interested in ordering one, send an e-mail to Mike, KF3CD at kf3cd@arrl.net and we will see if we have enough interest to order 10 units.

The regular price for a RigBlaster Blue is \$199.95 plus shipping. To learn more about the RigBlaster Blue, visit http://www.westmountainradio.com/product_info.php?products_id=rb_blue&navcode=/fpBlue



Connect with Digital Modes



RIGblaster Blue

Go digital with smartphones & tablets

Use a Bluetooth® headset for Safe, Secure & Hands-free operation

Pair with any compatible smartphone or tablet to open the door for portable rig control or digital modes!

www.westmountainradio.com/blue

Android is a trademark of Google Inc
Bluetooth® is a registered trademark of Bluetooth SIG, INC.



MEMBERSHIP DUES ACCEPTED NOW

The MARC membership year begins on March 1 but you can pay your dues now if you'd like. Many folks like to pay at the January or February club meeting, others prefer to pay by mail. Dues paid between January 1 and March 1 are credited through March 1 of the following year. We do not accept more than one year's dues at a time.

Current members with no information changes do not have to fill out the form below, just send a check to the PO Box below with your callsign noted in the memo of the check or pay at one of the next club meetings.



MARC members can also order a call sign badge from The Sign Man of Baton Rouge at:

<https://thesignman.com/secure/>

To order, use the CLUB ITEMS drop-down menu and select the MID ATLANTIC ARC BADGE option, then enter your Name and Call Sign into the ENTER DETAILS BELOW text entry area.

MID-ATLANTIC AMATEUR RADIO CLUB PO BOX 557, EAGLEVILLE, PA 19408

NAME		CALLSIGN
ADDRESS		
CITY	STATE	ZIP + 4
TELEPHONE		OK to publish phone number? Yes No
E-MAIL ADDRESS		OK to publish e-mail address? Yes No
LICENSE CLASS E A G T+ T N None		ARRL Member? Yes No
Please compute amount due:		
Full member (licensed ham) @ \$15		\$
Family member (licensed ham, after 1st member pays full dues) @ \$5		\$
Associate member (unlicensed person) @ \$5		\$
TOTAL ENCLOSED WITH THIS FORM Please make checks payable to "MARC"		\$