



Mid-Atlantic Amateur Radio Club

www.marc-radio.org

P.O. BOX 557
EAGLEVILLE, PA
19408

REMARCS

Next Meeting: Oct 21, 2014 at 7:30 PM

Sep/Oct 2014

Yaesu System Fusion Repeater Test Program

by Dennis Silage K3DS

MARC has been selected as a test site for the new Yaesu System Fusion repeater system. **Sal Marandola NC3U** was instrumental in MARC being included in the program. As part of the test, the MARC 445.675 MHz ICOM analog FM repeater in Paoli will be replaced by the Yaesu DR-1 repeater within the next month. The DR-1 repeater was provided by Yaesu for testing and critical feedback on its performance. Yaesu also provided a compatible FT1-DR HT and FTM-400DR mobile transceiver for evaluation.



The Yaesu System Fusion is a digital communications methodology for voice and data communications. System Fusion utilizes a standard known as C4FM FDMA which is an advanced form of audio frequency shift keying (AFSK). The DR-1 repeater handles both conventional analog FM and the C4FM digital transmission.

The Yaesu System Fusion technology features the Automatic Mode Select function that recognizes whether the signal is digital or analog and automatically switches to match the received mode. That means that current analog FM users can be accommodated. There are two modes of operation that will be evaluated. In the first mode, if the DR-1 repeater receives C4FM digital signals, it converts them and retransmits them in analog FM automatically and when receiving analog FM signals it retransmits them unchanged. In the second mode, the DR-1 repeater retransmits C4FM digital and analog FM signals independently and unchanged.

However, as currently configured, the DR-1 repeater is not compatible with the SCOM 7330 controller at Paoli. As a result the 445.675 MHz repeater will be stand-alone and not linked to the MARC 145.13 MHz Paoli or 147.06 MHz

Newtown Square repeaters at this time. Also C4FM FDMA is not compatible with the established ICOM D-STAR repeaters. There are now several Yaesu System Fusion repeaters in the Delaware Valley including: Atlantic County K2ACY 447.575-; Camden County WA3WUN 147.225+ and KB2AYS 445.125-; Gloucester County W2MMD 147.180+; Lancaster County KX3B 146.745-; Ocean County W2DOR 146.910- and NJ2AR 448.625-; and Philadelphia W3QV 444.800+ .

From Yaesu Product Bulletin No. 13-0919, Sept. 19, 2013:

Introducing the System Fusion for the Future Amateur Radio Communication

We are pleased to announce our exciting new Digital operating system, System Fusion, with attractive full-featured Dual Band C4FM / FDMA Digital products including our FT1D Handheld Transceiver, FTM-400D Mobile Transceiver and our Digital Repeater, DR-1. We are certain that the many useful and easy-to-use System Fusion features will be expanding your enjoyment of VHF & UHF Amateur Radio Communications.

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Fact – Amateur Radio operators are always looking for diverse ways to enjoy radio communications. System Fusion is the perfect platform to feed their desire because it brings the right digital solutions to the Amateur VHF & UHF bands. Compared to other Digital modulation methods within FDMA, C4FM is recognized as producing superior audio quality. Equally as important, C4FM provides better reception while you are on the move or receiving challenging weak signals thanks to its better BER (Bit Error Rate) characteristics. C4FM is the principle mode used by professional communication devices in FDMA and is expected to continue to be the leading mode for digital radio communications long into the future.

However, we want you to know that we also strongly believe that conventional analog FM has a number of excellent features that continue to provide substantial advantages over digital modulations, such as low battery consumption and greater distance capability. Therefore, analog FM communications will continue to be the primary method for communication on the VHF & UHF Amateur Radio bands. System Fusion recognizes the continued need for existing conventional analog FM by including a FM Friendly interface; our uniquely flexible DR-1 Repeater that accepts signals from analog FM and FDMA / C4FM digital communication users.

Since introducing our FT1D Handheld Transceiver in June of this year, many Amateur Radio operators have already recognized and enjoyed clear and crisp voice communications provided through C4FM digital communications. It is not just the wonderful audio, though, that makes System Fusion the best Amateur Radio digital communications system. System Fusion is a full 12.5 kHz bandwidth system that includes the ability to transfer reliable high-speed data communications such as text messages, images, and voice memo data - the uses for these impressive features are limited only by your imagination!

System Fusion opens the door to an entirely new era of Digital Communications bringing Amateur Radio communication possibilities that were never possible with other digital solutions in the past.

2014-2015 MARC Election Results

The MARC Officer and Board election was concluded at the September General Membership meeting on September 16, 2014. **Steve Iklar KS3K** (MARC VP) (Election Chairman) counted the email ballots and last minute paper ballots. The results are listed below. These members began their terms on October 1, 2014.

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 -

Anthony "Yak" Yakonick N3MQM
anthonyturns@yahoo.com

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 Steve KS3K
610-662-2768 ks3k@marc-radio.org
Do you have anything for REMARCS?
Please let me know.

Position	Board Member
President	Steve Werner KD3WK
Vice President	Steve Ikler KS3K
Secretary	Sal Marandola NC3U
Treasurer	Lou Ruh WX3I
Public Services Chair.	Bob Palin N3JIZ
Technical Services Chair.	Dennis Silage K3DS
Program Chair.	Rich Russo KB3VZL
Public Relations Chair.	Jim Biddle W3DCL
Membership Services Chair.	Chris Ruhl N3GBJ
Member-at-Large (2014-2016)	Doug Wilkins NE3U

Also on the board are:

Position	Board Member
Member-at-Large (2013-2015)	Jim Smith K3RTU
Callsign Trustee W3NWA	Dieter Hauer K3DK
Callsign Trustee WB3JOE	Dennis Silage K3DS



MARC Board for 2014-2015

Seated L-R: Steve KS3K, Sal NC3U, Steve KD3WK, Lou WX3I
 Standing L-R: Bob N3JIZ, Jim K3RTU, Rich KB3VZL, Jim W3DCL,
 Dennis K3DS
 Absent: Dennis K3DK, Doug NE3U, Chris Ruhl N3GBJ

MARC Activates Turtle Rock Lighthouse for Second Straight Year

August 16-17, 2014 was the International Lighthouse Lightship Weekend (<http://illw.net>). The purpose of the event is to promote public awareness of lighthouses and lightships and their need for preservation and restoration, and at the same time to promote amateur radio and to foster international goodwill. Hams around the world activated lighthouses and lightships during this event. Over 500 lighthouses and lightships registered to be active for this year's event.

For the second straight year, MARC participated in the event by activating the Turtle Rock Lighthouse. The lighthouse is just north of Boathouse Row on Kelly Drive in Philadelphia (<http://www.lighthousefriends.com/light.asp?ID=856>). The lighthouse was built in 1887 by Frank Thurwanger. It is now owned by the Sedgely Club at 15 Kelly Drive (<http://www.sedgelyclub.org>). The "Light at Turtle Rock" provided security and safety to the city's thriving maritime activity and steamboat trade along the Schuylkill River. The brick lighthouse supports a hexagonal lantern room

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
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PUBLIC SERVICE
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TECHNICAL SERVICE
 Dennis Silage K3DS
k3ds@marc-radio.org 610-353-4829

MEMBERSHIP SERVICES CHAIRMAN
 Chris Ruhl N3GBJ
n3gbj@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 Wilkins 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

surrounded by an octagonal walkway.



A devoted group of 4 MARC members stepped in to participate in this year's event. Using the MARC callsign W3NWA, **Mike Pilotti KF3CD**, **Jim Smith K3RTU**, **Steve Ikler KS3K** and **Ned Smith WQ3Z** setup antennas and 2 stations around the lighthouse. **David Hollingsworth K3DMH** was also there to lend a hand and to observe. The group only participated on the second day of the two-day event. They operated from noon to 5 PM on Sunday, August 17.

One station was setup under the overhanging back porch of the building and the other was setup on a grassy lawn adjacent to the building. **Bob Palin N3JIZ** loaned us his tent canopy to protect the station on the lawn. It rained for about 5 minutes but everything stayed nice and dry under the tent. Later in the day the sun came out and the tent was critical in shielding us from the hot sun.

With cooperation from the Sedgely Club, the group was able to use power from an outside outlet on the club's building.



Mike Pilotti KF3CD and Jim Smith K3RTU



David Hollingsworth K3DMH and Ned Smith WQ3Z

Band conditions were not as good as they were last year so we made fewer QSOs. This year we made 72 contacts during the event, which included 4 other lighthouses and 4 DX entities outside the US. We also worked the W1AW portable operation in Oklahoma. Most contacts were made on 20 meters SSB.

During one contact with a station in Florida, the operator asked us to standby as there was a breaking station that we couldn't hear. After about a minute the Florida station relayed to us that **Dieter K3DK** was trying to ask us a question. Of course that was our own member and friend who lives nearby. Dieter was helping us by posting our frequencies to the DX clusters so other stations could find us. He needed to know what frequency our other station was on and he couldn't reach us on the repeaters. We had to use a station in Florida to communicate with our colleague just to our north. Thanks Dieter.



Overlooking the banks of the Schuylkill River

From the Editor's Shack

September 2014 Membership Meeting



Portable antenna with Philadelphia skyline

Our QRZ.com page for W3NWA had been updated with information about the lighthouse event including QSL info. Steve KS3K got a small supply of QSL cards professionally printed at Office Depot to respond to those requesting cards.

This was a fun event for all that participated and we hope to include you next year.

Remarks from the MARC President

Well, the leaves are coming down – Fall is upon us. I wasn't able to accomplish all the things on my good weather project list but I hope you did better. I don't see any wires dangling and the beam still turns so I'm hoping everything will be fine through the winter.

On behalf of the entire Board of Directors, thanks to all of you who had the confidence to vote us all back into office for the coming year. Our club is once again 100 members strong and I'm proud to be part of this vibrant organization. Please let me or any other Board member know what else we can be doing to make this club better serve you and your ham radio needs and wants.

This Fall we have a number of Public Service events. These events are all for good causes and being part of them is a lot of fun and a help to their running smoothly and safely. Bob Palin (N3JIZ) is our Public Services officer and he's always looking for volunteers for these events –and he always brings donuts! Please let Bob know if you are available to help out.

We have some very interesting programs coming up at future club meetings – please check the calendar on our web site at www.marc-radio.org Also, our holiday party is scheduled for December 13 at Uno Chicago Grill in Newtown Square. This is always a great event and a good way to spend some time with your fellow club members and some significant others as well.

I hope to see you all at our future events.

73/Steve Werner – KD3WK
MARC President

At the September MARC meeting, **Joe Ames W3JY** gave an informative presentation on “Emergency Nets in the Eastern PA ARRL Section. Joe is the training and safety officer for ARES/RACES of Delaware County, PA and is active with the Chester County ARES/RACES. He is registered as an Official Emergency Station, an Official Relay Station, a Volunteer Instructor for ARECC and as a Volunteer Examiner with the ARRL. He is a member of the National Traffic System's Eastern Area Staff. He serves as net manager of the Eastern Pennsylvania Emergency Phone & Traffic Net and the Pennsylvania Eastern Area RACES Net and operates the NTS-D's 3RN MBO station, scanning HF Factor 24/7, including a local 2m Packet gateway on 145.010MHz.



Joe Ames W3JY

New REMARCS Newsletter Editor Coming Soon

I have been editing this newsletter since November 2010 and I am grateful to have had this opportunity. I believe that a newsletter like ours is important to keep the membership informed about what the club is doing and what it plans to do in the near future. Not all members can attend meetings regularly and the newsletter helps the non-attendee's still feel included and part of the club. I feel it is time that I pass the baton to another club member to edit REMARCS. A new person may be able to refresh what has become stale. You have probably noticed that the publication dates for each issue have been slipping. I have tried to keep up the tradition of a regular newsletter and sometimes it had been difficult. You know, life happens and there are other priorities.

Our own **Mike Pilotti KF3CD** has agreed to become the new newsletter editor after this issue. Mike has been an active MARC member for a lot longer than I have been. He has also been the person responsible for organizing and running MARC's annual Hamfest each year in July. Mike has been doing that also for a long time. Mike has also been a contributor to REMARCS while I have been editor and I thank Mike for that. I will help Mike during this transition period and pledge to give him all the support he needs. Thanks, Mike for agreeing to take over the reigns.

73,
Steve KS3K
MARC VP and former REMARCS Editor (Now QRT)

How to Build a 1:1 Ferrite Balun

By Rich Russo KB3VZL

I took the leap the other day and decided to build a 1:1 Balun. Looking on the Great and Powerful Internet, I found it was a lot easier than I thought. The winding of the torrid seems to be a task most feared. It was a lot easier than I thought, and a lot less money!

Parts List:

1 Ferrite Torrid f140-61	Palomar Engineers	\$ 4.00	
2 SO-239 flange mount	Palomar Engineers	\$ 2.50 each	\$ 5.00
1 Project box 24x2x1.75"	Radio Shack	\$ 5.49	
8 4-40 screws	supplies on hand		
8 4-40 nuts	supplies on hand		
4 solderless terminals	supplies on hand		
1 6-30 bolt 1.25"	supplies on hand		
2 6-32 nuts	supplies on hand		
1 20" 14 ga wire Red	supplies on hand		
1 20" 14 ga wire Green	supplies on hand		
1 20" 14 ga wire Black	supplies on hand		
2 plastic discs 1.25" dia	supplies on hand		
1 28" Teflon tape	supplies on hand		
6 small cable ties	supplies on hand		

Total cost \$14.49



Parts

Note: Palomar Engineers charges flat \$10.00 shipping on the total order. Buy enough parts to build multiple Baluns. (4:1 Baluns are even easier than 1:1.)

Start with winding the torrid. Take the Teflon Plumbers tape and wrap it tightly around the Ferrite "donut".



Teflon Wrap

Measure from the end 4" on the Red, Green and Black pieces of wire and secure with a cable tie. Place wires in center of Ferrite "donut" and secure with a cable tie.



Starting Winding

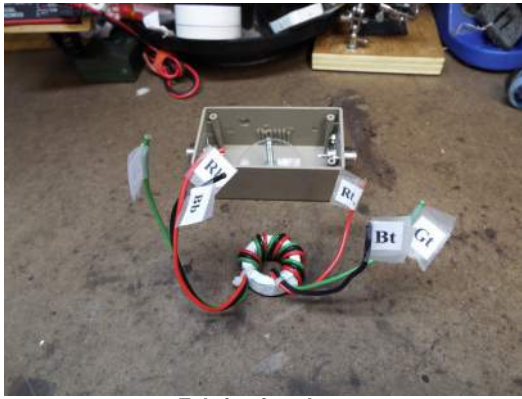
Now neatly and tightly wrap the wires side by side around the torrid 6 times, evenly spaced. Take a cable tie and secure the loose end to the ferrite torrid.



Completed Ferrite Torrid

I used a Project Box I had on hand. Anything big enough will do. I've seen outdoor electrical enclosures used. Whatever you have, use it. Mark the center of each end. Drill a pilot hole. Now drill the holes to a diameter of 5/8" so the SO-239 will fit through. Place the SO-239 into the hole and square it up. Now drill out the 4 screw holes into the box. Use a size 3/32 drill. On the back of the box, mark the center and drill a hole 7/64". This is for the screw that holds the Ferrite Torrid in position. (An Alternate way is to not use a screw and nut, but to hot glue the part into position.)

Take some scrap plastic and draw a circle 1.25" in diameter. Cut the plastic and sand smooth.



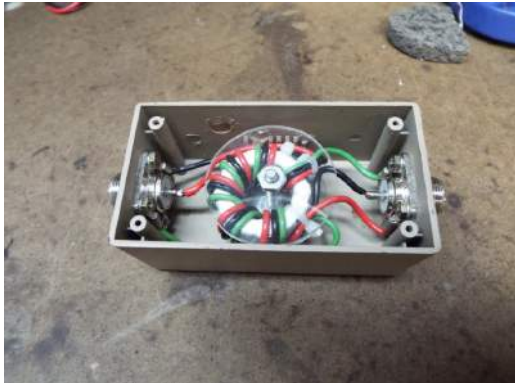
Fabrication done

The fabrication is done, so on to the assembly.

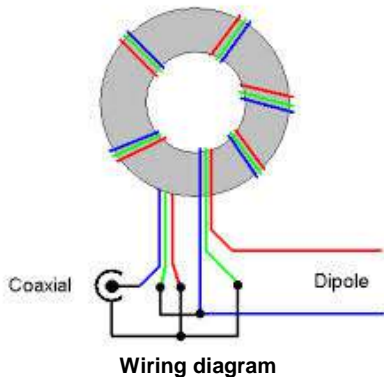
Connect the wires as per the schematic and photos. When holding the Ferrite Toroid, one group of wires comes over the top, one group comes under the bottom of the Torroid. Label each wire Red t, Green t, Black t, (top) Red b, Green b, Black b (bottom). This makes it easier to make connections.

Red b goes to the radio side SO-239 center
Black b and Green t goes to radio side SO-239 shell with connectors

Green b and Red t go to Antenna side SO-239 center
Black t goes to the Antenna side SO-239 shell



After you secure the Ferrite Toroid into the box, screw the cover on. The only thing left is to label the project.



4:1 Balun

To construct a 4:1 Balun use the same list except you use 2 wires not 3. Red and White.

Red b goes to the radio side SO-239 center and connects it to the Antenna center

Red t and White b goes to radio side SO-239 shell with connectors

White t goes to the Antenna side SO-239 shell with connector



Hope you try this homebrew project. It is easy, fun and economical. It also improves your homebrew antennas. Building homebrew antennas? Now that's another easy project. I think we will wait for next time. **Enjoy!**

Rich Russo KB3VZL
KB3VZL@VERIZON.NET

Upcoming General Membership Meetings

October 21, 2014 - Dennis Silage K3DS will be discussing High Speed Digital Data on 2.4 GHz (MESH)

November 18, 2014 - Joe Stratton W3JBS will be discussing novel GPS applications

December 13, 2014 - MARC Holiday Party at Uno's in Newtown Square

Programs for 2015:

Radiation and nuclear power plants - Ron Bellamy
KC3ACL

Bring Your ARRL Outgoing QSL Bureau Cards to the November 18 Meeting

Don't forget to bring your Outgoing ARRL QSL Bureau cards to the MARC meeting on November 18, 2014 at 7:30 PM. If you are a member of the American Radio Relay League (ARRL) you are permitted to use the ARRL Outgoing QSL

Service to conveniently send your QSL cards overseas. Cards sent via this service are sorted by the Outgoing QSL Service staff who ships QSL cards to QSL Bureaus throughout the world. Sending QSL cards via the Bureau takes a little while longer than mailing them directly, but keep in mind that what you might lose in speed is more than made up in the convenience and savings of not having to address and mail each QSL card separately.

Since MARC is an affiliated club with the ARRL, individual MARC members may use the ARRL Outgoing QSL Bureau service and have the fees and postage paid for my MARC. MARC can send QSLs for its members to the ARRL in bulk by "pooling" members' cards together in one package and indicating MARC's name inside the package. In a "pooled" package, each club member using this service must also be an ARRL member.

We will be collecting members' cards for distribution to the ARRL at our regular November 18, 2014 General Membership Meeting. To take advantage of this club and ARRL membership benefit, please bring your outgoing DX QSL cards (completely filled out) to the meeting along with proof of your current ARRL membership. This can be in the form of a photocopy or cutout of the address area from your current copy of QST. You can also write the information from the label on a slip of paper and use that as proof of membership. A copy of your current membership card is also acceptable. The ARRL QSL Service cannot be used to exchange QSL cards within the 48 contiguous states (US to US). However, you may also send QSLs via the bureau to any QSL manager who manages a non-U.S. callsign. However, you must look up the QSL manager and clearly indicate the QSL manager's callsign on your outgoing card. For example:

Example 1: 8P8P via NN1N. Sort this card in with other cards going to U.S. managers.

Example 2: 6Y1V via OH3RB. Sort this card in with cards to Finland.

MARC will pay the fee to the ARRL as well as pay the shipping costs to the ARRL. Complete information about the service can be found at:
<http://www.arrl.org/files/file/On the Air/QSL Bureau/Outgoing QSL Bureau 2011.pdf>

2014 Pennsylvania QSO Party



The 2014 Pennsylvania QSO Party (The Friendly QSO Party) will be held from 1600Z October 11, 2014 to 0500Z October 12, 2014 and 1300Z October 12, 2014 to 2200Z October 12, 2014. A state QSO Party is an on-air event where amateur

radio stations in the host state try to contact as many in-state and out-of-state stations as possible. Stations out of the host state try to contact as many host state stations as possible. Points are awarded for each contact and scoring multipliers are awarded for each county contacted in the host state. Host state stations can also get additional multipliers for each state or ARRL section worked.

The PA QSO Party (PAQP) is our chance to be the desired station. We, in PA, can contact any station, anywhere. Stations outside PA can only contact PA stations so everyone is looking for us!

MARC is asking all members to participate in the PAQP if they can and indicate "Mid-Atlantic ARC" as the affiliated club. This way we can compete for club awards and bragging rights. You don't have to be a big contester to participate. Anyone, no matter how much time they spend in the contest or how many contacts they make, can submit a score to help the overall MARC score. The PAQP is also a great way to learn how to participate in ham radio contests. That's why they call it the "Friendly QSO Party".

A special MARC certificate will be given to the top five scoring MARC members. So besides helping the overall club score, you are also competing against other MARC members for a certificate. For more information and rules, see: 2014 PA QSO Party at <http://www.nittany-arc.net/PAQSO.html>. After the contest, send an email with your total score to Dennis Silage K3DS at k3ds@marc-radio.org.

MARC Holiday Party 2014

MARC will hold its annual Holiday Party on Saturday, December 13, 2014 at noon at Uno Chicago Grill, 3910 West Chester Pike, Newtown Square, PA 19073 (same site as last year). The party will be held in place of the regular December monthly meeting. The cost for MARC members will be \$10 (subject to change) and for non-member friends it will be \$20. The Uno Grill provides us with a separate dining room with a fireplace and a flat screen TV for a college football game. Club members will be treated to a three-course luncheon with individual appetizer, entree and dessert.

You can sign-up for this gala event at the Club meeting on October 21, 2014 or November 18, 2014 or by contacting Dennis K3DS 'on-the-air' or via email at k3ds@marc-radio.org.

MARC BOARD MEETING

August 12, 2014

Officers Present

NC3U-Sal	KS3K- Steve
K3RTU- Jim	KB3VZL- Rich
N3JIZ- Bob	NE3U- Doug
WX3I- Lou	N3GBJ- Chris
W3DCL- Jim	K3DS- Dennis
K3DK-Dieter	

Officers Absent
KD3WK- Steve

The Vice-President, Steve (KS3K), called the meeting to Order at 7:00 PM.

- 1) Approval of minutes of June 10, 2014 Board Meeting was voted on and approved
- 2) Treasurer's Report
 - a) Current account balance as of meeting night was \$13,753.21
 - b) Paid membership status is at 98
 - c) Annual Audit – Due to Board in September by Lou (WX3I)
- 3) Programs for general meetings
 - a) August 19– Home Brew, Back up program if few presenters?
 - b) September 16- Officer Elections, Joe Ames (W3JY), Assistant Section Manager, PA
 - c) October 21 – Dennis (K3DS) High Speed Digital Data on 2.4 GHz, MESH
 - d) November 18 –Joe Stratton (W3JBS) - GPS
 - e) December 13 – Holiday Party – Chicago Uno, Newtown Square
- 4) Old business
 - a) Nets/Repeaters
 - i) Yaesu Fusion Test Program – Application Pending as of my conversation with Steve (KD3WK)
 - ii) 147.06 antenna replacement – status – Work still waiting to be scheduled
 - iii) Repeater upgrades/replacements approved and waiting implementation have all been completed by Dennis (K3DS)
 - b) Directors & Officers Insurance –
 - i) Coverage has been secured for 3 years, annual premium is \$792 + one-time \$150 fee
 - ii) Policy selected is “Standard Form” which includes Employment Practices Coverage- After hearing from Steve he informed me that the Standard form gives us the best coverage.
 - c) Field Day – Jim (K3RTU), Steve (KS3K)- Field Day went very well. Thanks Jim and Steve!
 - i) Boy Scouts Radio Merit Badge Program – 18 scouts earned their merit badges
 - d) John Peoples assistance – Doug (NE3U)- Doug said this club task is complete for now and should be removed from future agendas.
 - e) Boy Scouts
 - i) Jamboree on the Air – October 18-19, Camp Ware, Coordinating with Frank Keegan – need volunteers- MARC is looking for as many volunteers as possible to help with the huge number of scouts that are going to be present.
 - f) Lighthouse Weekend – August 16-17 – Steve (KS3K) -There are at least 4 club members participating, and a round-up of equipment is in the works. QSL cards will be bought this year rather than printed by Steve. A total will be assessed at end of event.
 - g) Incentive Award Program – Chris Ruhl (N3GBJ)- still on pace

- 5) New Business
 - a) Annual Elections - Steve (KS3K) will be chairman of elections. All present at the meeting have agreed to run another term. Election results will be by Email votes and in-person votes as per last year.
 - b) 2014 Hamfest
 - i) Net Proceeds
 - ii) Options for 2015 – retain Saturday date, price increase? Promote on Facebook/Twitter, forums, raffle- The board thinks that keeping it on Saturday of the same weekend is a good idea
 - iii) Need to better account for tickets and cash- Lou (WX3I) is working on this for next year
 - c) Kenwood 440 – repairs required options?—A motion was brought to the table.
Motion: Due to the cost of the repairs for this radio the board feels it should donate said radio to Mike Pilotti (KF3CD) so it can be sent to a ham in the Ukraine. <All were in Favor>
- 6) 2014 Board Meeting Schedule
 - a) October 14: b) December 13 (prior to Holiday Party)
- 7) Motion: “To send an email to club members to support HR-4969 :The Amateur Radio Parity Act of 2014.” Motion was approved. Steve (KS3K) is going to do this.

Meeting adjourned at 8:35 PM

Respectively submitted
Sal Marandola (NC3U)- MARC Secretary

Public Service Events

Penn Medicine Radnor is the presenting sponsoring for the annual “**Radnor Run**” on Sunday, October 26, 2014. Proceeds benefit the American Lung Association in Pennsylvania. The event is a 5-mile run and a 1-mile fun run/walk. We need several operators for this event that we support annually. If interested in providing radio communications for the event contact Bob Palin N3JIZ at 610-687-4587. The website for the race is http://action.lung.org/site/TR/RunWalk/ALAMA_Mid-Atlantic?pg=entry&fr_id=7420.

The **Vietnam Veterans 5K Run** will be held on Sunday, November 9, 2014. This event takes place at the Norristown Farm Park at North Wales and Germantown Pike. Proceeds from the run benefit Vietnam Veterans community projects. The Valley Forge Chapter 349 of Vietnam Veterans of America sponsors the event. We need several operators for this event that we support annually. If interested in providing radio communications for the event contact Bob Palin N3JIZ at 610-687-4587.

Hamfests and Contests

The following hamfests and contests will be held in the next few months.

Hamfests

RF Hill Amateur Radio Club

Date: October 19, 2014

Location: Sellersville Fire Company, 50 North Main Street Sellersville, PA; Rt. 309 to Sellersville exit (Main street), follow to center of town; Firehouse is next to Perkiomen creek near intersection with Diamond Street; **Sponsor:** RF Hill ARC, PO Box 336, Perkasie, PA 18944

Parking at E. Clymer Ave. & Diamond St.; free shuttle bus between parking and hamfest site)

Website: <http://www.rfhill.ampr.org/>

Cost: \$6 (non-ham spouse & kids free); Tables \$12.00

indoors (5 or more \$10), Tailgate \$8

Opens: 7:00 am, Vendors 6:00 am

VE Testing*: 10:00 am (across street at American Legion Hall)

Contests

Pennsylvania QSO Party

1600Z, Oct 11 to 2200Z, Oct 12

Find Rules at:

<http://www.nittany-arc.net/pgppdf/2013rules.pdf>

ARRL Sweepstakes Contest, CW

2100Z, Nov 1 to 0300Z, Nov 3

Find Rules at:

<http://www.arrl.org/sweepstakes>

ARRL Sweepstakes Contest, SSB

2100Z, Nov 15 to 0300Z, Nov 17

Find Rules at:

<http://www.arrl.org/sweepstakes>

CQ Worldwide DX Contest, CW

0000Z, Nov 29 to 2400Z, Nov 30

Find Rules at:

<http://www.cqww.com/rules.htm>

North American QSO Party, CW

1800Z, Jan 10 to 0600Z, Jan 11

Find Rules at:

<http://www.ncjweb.com/NAQP-Rules.pdf>

North American QSO Party, SSB

1800Z, Jan 17 to 0600Z, Jan 18

Find Rules at:

<http://www.ncjweb.com/NAQP-Rules.pdf>