



Mid-Atlantic Amateur Radio Club

www.marc-radio.org

P.O. BOX 557
EAGLEVILLE, PA
19408

REMARCS

Next Meeting: May 20, 2014 at 7:30 PM

Mar/Apr 2014

Field Day 2014

by Jim Smith K3RTU



www.arrl.org

This coming May 17, there will be a pre-Field Day gear check at the home of **Dennis Silage K3DS** in Newtown Square. This check is designed to make sure that all the antennas, coax, and other equipment is working and doesn't need to be replaced. At this work session, **Steve KD3WK**, **Dennis K3DS** and **Jim K3RTU** will be checking out the gear and antennas. **Bob N3JIZ** will provide the generator that will be used on Field Day and he will be checking to see that it is ready to go for Field Day.

By checking the gear and antennas out in mid May, we have plenty of time to make any necessary repairs or replacements prior to Field Day, which is June 28-29 this year. Please keep these dates in mind so you can come out to give us a hand setting up the gear on the morning of June 28th and breaking everything down on the afternoon of June 29th. Through the efforts of **Ron Kenwood W3ZV** our Field Day site on the Lower Providence Fire Company grounds has been secured for this year. Many thanks to Ron for his efforts and also for making himself and his truck available to transport the gear stored at the home of Dennis K3DS to the Field Day site.

VOX

MARC welcomes the following new members: **Edmund (Pat) Rush WT3X**, **George Reber K3RG**, **Elaine VanGeyten KB3TRM**, **Don Huddler N4RRT**, **Paul Bastian KB3ZOH**, **Diane Bastian KC3AOA**, **Pat Colagreco KC3ACH**, **Joe de Marco WB3HQE**, and **John Peoples K3FLY**.

In February 2014, **Al Maslin N3EA** and **Steve Ikler KS3K** got a chance to visit with former MARC officer and current ARRL President **Kay Craigie N3KN**. They met at the ARRL Centennial Exhibit at the 2014 Orlando Hamcation in Orlando, FL.



L-R: Kay Craigie N3KN and Al Maslin N3EA

Inside REMARCS

1	Field Day 2014
1	VOX
2	Upcoming MARC Meetings
2	Remarks from MARC President
3	Bring QSL Cards to the May Meeting
4	Tower Restrictions in Tredyffrin
5	Board Meeting Minutes
6	2013 Treasurer's Report
7	Incentive Reward Presentation
7	Public Service Events
8	History of the Car Radio
9	Operating QRP in Florida
10	Hamfests and Contests

Upcoming General Membership Meetings

May 20, 2014 - Montgomery County Emergency Services MCAR, ARES and RACES. Outgoing DX QSL Card pickup for QSL bureau.

June, 2014 – No monthly meeting due to ARRL Field Day.

July 15, 2014 – The 2014 Dayton Hamvention by **Steve Ikler KS3K**

August 19, 2014 - Home Brew Night

September 16, 2014 – **Joe Ames W3JY**, Assistant Section Manager for EPA. Annual election of officers and board members.

MARC usually meets the third Tuesday of the month in the Large Meeting Room (in the front) of the Tredyffrin Township Municipal Building, 1100 DuPortail Road, Berwyn, PA 19312-1079. If unavoidable changes in the date or location of the MARC meeting is anticipated, the details will be announced on the Nets and posted on the Calendar.

Beginning at 7:30 PM and following a short round of introductions, announcements, Club reports and business, a lively technical program is provided. See the Calendar on the MARC website for details.

The schedule of Club meetings is interrupted in June because of Field Day and in December with a joyous MARC Holiday party. The current schedule of Club meetings and the topic of discussion is announced on the weekly MARC Nets.

Remarks From the MARC President

Well, winter is finally over and warmer weather is with us. I suspect that many of us will now be able to catch up on some of that antenna work that we've been trying to get to and maybe put up some new antennas. Please remember to be safe whenever you climb a ladder and especially if you are doing work on a tower. Always have a helper/safety person with you!

We've already had some very interesting presentations at our monthly meetings and we have some exciting presentations coming up in the next few months. Please check the calendar on the web site (www.marc-radio.org) to see what's happening and check out other club information, which is periodically updated by our web master Dennis (K3DS).

Field Day is just around the corner –June 28/29. Jim (K3RTU) is our Field Day Captain this year giving Steve (KS3K) a well-deserved break. Jim already has things well in hand. Later this month, a number of us will be going over all of our equipment to make certain that everything is in working order and to replace some well-worn items including transmission lines. The 6 meter quad will be replaced with a

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.

yagi so, hopefully, we will be able to make more contacts on that band. Like last year, we will be running a Get on The Air (GOTA) station in addition to our other rigs. We are also planning to have some boy scouts visit and to hold another Radio Merit Badge program like we did last year when 12 scouts were able to earn the badge. We are also planning to set up a station at Camp Ware for the Boy Scout Jamboree on the Air event October 18/19. We will need lots of help for all these events – please plan to participate.

This year the MARC Hamfest will be July 12. Note that this is a Saturday. Mike (KF3CD) is hard at work lining up vendors. You should expect to see emails from Mike about the Hamfest and to also solicit assistance selling tickets and parking cars at the Kimberton Fair. Please remember that we get the use of the Kimberton Fair Grounds for free in return for our assistance at the fair. This saves the club nearly \$1,000.

I hope you are all enjoying the nicer weather and I hope to see you soon.

73/Steve Werner – KD3WK
MARC President

Bring Your ARRL Outgoing QSL Bureau Cards to the May 20 Meeting

Don't forget to bring your Outgoing ARRL QSL Bureau cards to the MARC meeting on May 20, 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 by 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 May 20, 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

MARC Board of Directors 2013-2014

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

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 9/30/2014 -

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

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](http://www.arrl.org/files/file/On%20the%20Air/QSL%20Bureau/Outgoing%20QSL%20Bureau%202011.pdf)

Change of Location for Next Tower Hearing in Tredyffrin Township

by Bob Famiglio K3RF

As some of you know, I'm involved in assisting a well-known radio amateur in a significant amateur radio antenna zoning battle in the greater Philadelphia area. Time and space here does not permit me to detail all that has occurred in the past few months. However, to those of you that are aware and have shown support for the amateur involved, WN3A, I wish to thank you on behalf of Jeff and his family for your kind words of encouragement.

The zoning board hearings, being conducted in a formal trial-like setting, began April 30 at 7 PM and ran until 10 PM as we offered at least 40 exhibits for the record so far. We expect several more evenings of hearing time, but I write to inform those coming back to view the **next session on Monday, May 5**, the hearing location was just changed at the last minute. It is no longer at the township building as announced, but has been moved to the large meeting room at the Tredyffrin Public Library, 582 Upper Gulph Rd, Strafford, Chester County, Pennsylvania at 7 PM because of the need for a larger room given the number of people from the neighborhood that wish to attend and oppose the amateur radio tower. Many of you sent representatives from your clubs from many miles away, but I did not keep a list of those of you who introduced yourself before or after the first hearing.

Please pass the word, as those traveling down to the township building in Chester County to see the next session will be met with a poster on the door indicating a hearing has been moved to a location several miles away. Maybe I can save you some trouble.

Those of you not aware of Jeff's predicament, I posted a letter I sent to all the hams we could identify as living in either Tredyffrin and Schuylkill Townships in the download section of the ARRL web page for EPA. The letter explains more about this matter. Both of these townships as well as the neighbors are separately opposing Jeff's application for a 180-foot Rohn self-supporting tower on his approximately 233 foot by 660 foot, 3 acre wooded lot next to his home.

Jeff is a serious VHF, UHF and microwave operator and most of the antennas will be small in that regard, not larger HF arrays that you might find at say a contest station. The almost 100 foot trees plus the 70 foot rise at the ridge in front of him require this height, which we can surely prove. This case will likely end up in the courts for some years and will have a significant effect, in my view, on amateur radio towers in the various states which comprise the Third Circuit Court of the United States.

The opposition raised by very competent Township and other opposing lawyers who clearly studied PRB-1 cases include reference to the cell phone laws supposedly requiring the amateur to make his tower available to cell phone carriers for co-location if they demand it, (I can't make this stuff up), and the fact that Jeff can simply increase his power to get through all the foliage attenuation, as well as suggesting the ham should be satisfied with talking locally through repeaters. Jeff does maintain repeaters but he is personally a weak signal 50 MHz and above operator. Opponents presented that he can use long wire antennas and "loops" (we don't know what they mean here either) even at VHF and UHF to work effectively. They have also raised an interesting argument that a 180-foot Rohn self-supporting tower is commonly and universally found in industrial or factory settings as there are very few, if any, radio amateurs in the area that have or need such a tower. Therefore, they argue no exemption under PRB-1 and state law applies. Also, one of Jeff's repeaters on the tower if used by others is not for Jeff's own use and therefore is not subject to exemptions. This is a short list of the many arguments the opponents have and we expect a long line of opponent expert witnesses arguing against the tower on numerous grounds as well.

Please be assured that we know how to meet all these objections but the decision on the facts, of course, remains with the many panel members who will render a written decision for the zoning Board of appeals. They are the jury on the facts and apply the applicable law as well. Some radio amateurs with professional engineering and emergency response credentials have stepped up to help. They may make all the difference. By the way, if you are a real estate appraiser with experience in such matters as cell phone and other tower effects on property values, we desperately need to speak with you.

I appeared at a very well attended public meeting on April 21 in Tredyffrin Township to address the Board of Supervisors of that township who voted to oppose amateur radio antennas not just in the present case, but resolved to oppose them anywhere in the Township.

The meeting was recorded in video and is available at the Tredyffrin Township Board of Supervisors web page. Two and 1/2 hours into the meeting Jeff's amateur radio antenna was raised under new business to pass a resolution opposing Jeff and other radio amateurs. I was given the opportunity to speak for 10 minutes over the jeering of the neighbors who were anything but friendly as you can imagine. "We don't love towers and we don't love hams" an opponent placed on the record at that earlier meeting.

If you're with one of the clubs who sent representatives, please pass the word that, because of the neighbors outcries, the next hearing is moved to a new larger location to accommodate what I believe will be a hostile crowd. If you're coming down again, and all are welcome, drop me a note so I can keep you on a list to inform you of developments. We expect the hearings to be completed by July and no decision until as late as August. Keep the faith.

And both Jeff and I will see you on the radio.

Bob Famiglio, K3RF
EPA Section Manager
Legal Counsel for WN3A

ARRL Eastern Pennsylvania Section
Section Manager: Robert B Famiglio, K3RF k3rf@arrl.org

MARC BOARD MEETING MINUTES

February 11, 2014

Officers Present

NC3U - Sal	K3DS - Dennis
KD3WK - Steve	KB3VZL - Rich
NE3U - Doug	K3RTU - Jim
W3DCL - Jim (via conference call)	

Officers Absent

KS3K - Steve	WX3I - Lou
N3GBJ - Chris	N3JIZ - Bob
K3DK - Dieter	

The meeting was called to Order by the President, Steve (KD3WK) at 7:05 PM

- 1) Approval of minutes of December 14, 2013 Board Meeting – This was an 'informal' meeting of the Board and no decisions were made and no minutes were taken.
- 2) Treasurer's Report – No treasurer's report was presented; however, the checking account balance remains at \$13,668.09
- 3) Programs for general meetings
 - a. January 21, 2014 – Joe Stratton (W3JBS), GPS to be rescheduled
 - b. February 18 – Jim Smith (K3RTU) Mobile Backpacking
 - c. March 18 – Mike Pilotti (KF3CD) Bicycle QRP
 - d. April 15 – Annual Junque Sale – Dennis Silage (K3DS) Auctioneer
 - e. May 20 – Montgomery County Emergency Services
 - f. June – no meeting in lieu of Field Day (June 28/29)
 - g. July 15 – Steve Ikler (KS3K) Lighthouse DXpedition
 - h. Potential future meeting topics (Rich Russo)
- 4) Old business
 - a. Nets/Repeaters
 - i. 147.06 antenna replacement – The cost of a replacement antenna (\$1,000) was previously approved by the Board but we continue to wait for someone to climb the tower
 - ii. Recommendations for repeater upgrades/replacements

- Dennis (K3DS) has prepared recommendations for replacement of certain equipment. These recommendations (consistent with his email to the Board on January 27, 2014) include:
 1. Paoli - A new 147.36 repeater and power supply (~1,650)
 2. Paoli - A new 440 repeater (~1,250)
 - b. Steve (KD3WK) made a motion that this equipment be purchased and the upgrades made when Dennis has the time. The motion was seconded and passed unanimously by all Board members present
 - i. Net control manager, Yak (N3MQM) has recommended that the nets operate only on Wednesdays due to poor attendance and the inability to get sufficient net control operators. The Board accepted this recommendation, thanked Yak for his efforts and recommends that net operations be expanded when possible.
 - c. MARC Equipment Loaner Program Status – Steve Ikler (KS3K) continues to use the band pass filters and patch cables
 - d. Elmer program – Doug (NE3U) has been working with John Peoples (K3FIY) a blind ham that requires assistance with his equipment and antenna. Additional assistance will be provided by Doug and other members of MARC
- 5) New business
- a. ARRL 2014 Centennial Convention – Hartford, CT – July 17-19, 2014. The Board discussed the possibility of arranging for members of MARC to attend this event. Sal (NC3U) and Steve (KD3WK) will look into the cost of bus transportation, the cost of convention attendance and hotels and report back to the Club.
 - b. Boy Scout – the Board discussed the club's ongoing commitment to provide support to various boy scout activities, including:
 - i. Jamboree on the Air – October 18-19, 2014. Steve (KD3WK) is working with the Chester County Boy Scouts regarding using their West Chester Headquarters location as a site for this event, supported by MARC members and the use of MARC equipment.
 - ii. The Board expressed a desire to conduct additional merit badge sessions and Steve (KD3WK) will work with the scouts to determine when this might be feasible
 - iii. The Board also discussed the potential of setting up a permanent station, under secure conditions, at the Boy Scout location in West Chester. Steve (KD3WK) will look into this.
 - c. Trustee Succession Plan – The Board discussed the need for such a plan and Steve (KD3WK) will confirm with Dieter (K3DK) whether he wishes to continue to serve as the trustee for W3NWA
 - d. Equipment for Field Day - the Board discussed the desirability of reviewing and testing all equipment and antennas in preparation for Field Day. The date of May 17 was tentatively chosen. Jim (K3RTU) has agreed to donate a 3 element beam to replace the 6 meter quad that has been in use for many years.
 - e. Incentive Award Program – Chris Ruhl (N3GBJ) has agreed to Chair the program which the Board has approved for 2014
 - f. Change Dues to run with calendar Year – The Board discussed the desirability of changing the club dues cycle

to coincide with the calendar year as opposed to the current March 1 to February 28 cycle as mandated by the current bylaws. A change to the bylaws requires a two-thirds vote of all MARC members. Steve (KD3WK) agreed to determine how such a vote could be conducted.

6) 2014 Board Meeting Schedule

- a. February 11: b) April 8: c) June 10: d) August 12: e) October 14: f) December – Holiday Party

The meeting was adjourned at 8:30 PM

Respectively submitted

Sal Marandola (NC3U) – MARC Secretary

MARC BOARD MEETING MINUTES

April 8, 2014

Officers Present

NC3U- Sal	KD3WK- Steve
K3RTU- Jim	KB3VZL- Rich
N3JIZ- Bob	NE3U- Doug
KS3K- Steve	WX3I- Lou
W3DCL- Jim	

Officers Absent

N3GBJ- Chris	K3DK- Dieter
K3DS- Dennis	

The meeting was called to Order by the President, Steve (KD3WK) at 7:05 PM

- 1) Approval of minutes of February 11, 2014 Board Meeting were approved unanimously by the board
- 2) Treasurer's Report by Lou (WX3I)
 - a) Current account balance in checking \$14,158.95
 - b) Treasurer's 2013 Audit was discussed and Steve (KD3WK) will investigate cost and feasibility
 - c) Paid membership status as of April 8 was 58 paid members. That is a few off of the same time last year.
- 3) Programs for general meetings
 - a) April 15 – Annual Junque Sale – Dennis Silage (K3DS) Auctioneer
 - b) May 20 – Montgomery County Emergency Services
 - c) June – no meeting in lieu of Field Day (June 28/29)
 - d) July 15 – Steve Ikler (KS3K) (Ed. Note: The topic has been changed to 2014 Dayton Hamvention)
 - e) August 19– Home Brew Night
 - f) September 16- Officer Elections, Joe Ames (W3JY), Assistant Section Manager, PA
 - g) October 21 - Open
 - h) November 18 – Open
 - i) December 12 – Holiday Party
- 4) Old business
 - a) Nets/Repeaters
 - i) 147.06 antenna replacement – status remains the same until we touch base with Dennis (K3DS)
 - ii) Repeater upgrades/replacements approved and waiting implementation. Dennis (K3DS) is investigating replacement parts and timing to do the work
 - b) MARC Equipment Loaner Program Status as of this date, it's reported that all equipment has been returned.
 - c) Elmer program – we have numerous folks who want to be

Elmers but few requests

5) New business

- a) ARRL 2014 Centennial Convention – Hartford, CT – July 17-19, MARC Field Trip was discussed and at this point Steve (K3DWK) will send out an Email Blast inviting people to join in a trip to the convention. The email will give a brief description of the cost. We will wait and see on returns on how many are interested.
- b) Boy Scouts
 - i) Jamboree on the Air – October 18-19, Camp Ware, Coordinating with Frank Keegan. The board has decided to just do October 18.
 - ii) Additional merit badge sessions – Field Day will be advertised in Trailblazer and is a go with a 12 Scout limit
- c) Trustee Succession Plan – Dieter to stay on as Trustee for W3NWA
- d) John Peoples assistance – April 12, following breakfast meeting. Right now it looks like 4 members will try and work this out with John.
- e) Field Day – Jim (K3RTU) will be the Field Day coordinator
 - i) Equipment Review, May 17 – Dennis' QTH. This still needs to be confirmed with Dennis (K3DS)
 - ii) Boy Scouts Radio Merit Badge Program – Doug & Steve, others. The program will continue in its present form.
- f) Incentive Award Program – Chris Ruhl (N3GBJ) to Chair. No report
- g) Antenna restrictions in Tredyffrin and Schuylkill Townships. Hearings are underway and results will follow as soon as they become available.
- h) Increase in PA vanity plate from \$20 to \$76 on July 1, 2014
- 6) 2014 Board Meeting Schedule
 - a) June 10: b) August 12: c) October 14: d) December 12
- 7) Public Service: MS 5K Walk April 27th at 8:45 AM and Radnor Parade May 26th at 8:00AM. MARC always needs volunteers for these events.
- 8) Motion was put to the Board to make a club expenditure for 10 more Hats and Vests for these events at a cost not to exceed \$400. Board voted unanimously to approve.
- 9) Marketing Strategy for new members and member retention.

Meeting was adjourned at 8:45 PM

Respectively submitted

Sal Marandola (NC3U)- MARC Secretary

Treasurer's Report for 2013

Beginning Balances

\$15103.48 (Bank) \$639.77 (Cash)

Income

Dues	\$1180
Auction	\$23
Nick Fund	\$10
Hamfest (Cash Gross)	\$4497

Total Income \$5710

Expenses

Liability Insurance (2 years)	\$1010
Equipment Insurance	\$219
PO Box	\$78
Outgoing QSL	\$70.31
Technical	\$1110.33
PS Event Equip	\$785
Field Day Expenses (Cash)	\$282.46
Hamfest Seed Money	\$2550
Hamfest Door Prize	\$149.95
Special Event (Lighthouse)	\$35
Field Day Field Fee	\$150
Nick Fund	\$85
Meeting Refreshments	\$66.05
Website	\$498.57
Holiday Party	\$237.68

\$7044.89 (Check)

\$282.46 (Cash)

Ending Balances

\$13668.09 (Bank) \$357.31 (Cash)

Submitted by:
Lou Ruh WX3I
MARC Treasurer

MARC Activity Participation Incentive Reward

In 2013 MARC introduced the Activity Participation Incentive Reward. This reward, in the form of a gift certificate to Ham Radio Outlet, is given to a MARC member in good standing who performs service to the club. This service can be almost anything. For example, you can qualify by volunteering for public service events, presenting a program at a meeting, writing articles for REMARCS, helping out at the hamfest, helping out at the Kimberton Fair, managing or running MARC on-the-air nets, helping out at Field Day, etc.

All the names of members who volunteered for MARC service were placed into a drawing and the winner for 2013 was **Anthony "Yak" Yakonick N3MQM**. Yak qualified by being our Net Manager and being a Net Control Operator. He also was last year's Food Chairman for Field Day. The gift certificate was presented to Yak at last year's Holiday Party at Uno's by President Steve Werner KD3WK. Congratulations Yak and thanks for your service.



L-R: Yak N3MQM, Steve KD3WK

Public Service Events

The 2014 MS Walk was held on Sunday, April 27, 2014 at the East Goshen Township Park. Once again, MARC provided radio communications for the event. Participating were: **Grant Cowan KB3HGC, Sam Mitchell WA3LGL, Steve Werner KD3WK, Bob Palin N3JIZ, Jim Smith K3RTU, Doug Wilkins NE3U, Dave Huston WB3EHS and Lou Ruh WX3I.**



L-R, Back Row: Grant KB3HGC, Sam WA3LGL, Steve KD3WK, Bob N3JIZ, Jim K3RTU and Doug NE3U
L-R, Front Row: Dave WB3EHS and Lou WX3I

The next scheduled Public Service Event is the Radnor Memorial Day Parade on May 26, 2014 in Wayne, PA. Volunteers assemble at 8:00 AM in the Micro Center parking lot on Lancaster Ave. This event can be noisy (after all there are marching bands) so please bring an earphone or speaker/mic with you. We need a lot of volunteers for this event. If you are able to help out, please contact Bob Palin N3JIZ at 610-687-4587.

Cost for Vanity Plates in PA to Increase on July 1, 2014

The fee for a vanity license plate in PA (including Amateur Radio Plates) is increasing from \$20 to \$76 on July 1st. If you have ever wanted a ham radio vanity license plate, now would be a good time to get one, before the increase takes place. This fee is for the creation of the plate itself and does not repeat annually. The fee for vehicle registration is separate. More info at:

<http://mobile.philly.com/news/?wss=/philly/news&id=25339542>
1

HISTORY OF THE CAR RADIO

(Author unknown)

Seems like cars have always had radios, but they didn't. Here's the true story:

One evening, in 1929, two young men named William Lear and Elmer Wavering drove their girlfriends to a lookout point high above the Mississippi River town of Quincy, Illinois, to watch the sunset. It was a romantic night to be sure, but one of the women observed that it would be even nicer if they could listen to music in the car.

Lear and Wavering liked the idea. Both men had tinkered with radios (Lear had served as a radio operator in the U.S. Navy during World War I) and it wasn't long before they were taking apart a home radio and trying to get it to work in a car.

But it wasn't as easy as it sounds: Automobiles have ignition switches, generators, spark plugs, and other electrical equipment that generate noisy static interference, making it nearly impossible to listen to the radio when the engine was running.

One by one, Lear and Wavering identified and eliminated each source of electrical interference. When they finally got their radio to work, they took it to a radio convention in Chicago.

There they met Paul Galvin, owner of Galvin Manufacturing Corporation. He made a product called a "battery eliminator" a device that allowed battery-powered radios to run on household AC current.

But as more homes were wired for electricity more radio manufacturers made AC-powered radios. Galvin needed a new product to manufacture. When he met Lear and Wavering, he found it. He believed that mass-produced, affordable car radios had the potential to become a huge business.

Lear and Wavering set up shop in Galvin's factory, and when they perfected their first radio, they installed it in his Studebaker.

Then Galvin went to a local banker to apply for a loan.

Thinking it might sweeten the deal, he had his men install a radio in the banker's Packard.

Good idea, but it didn't work -- Half an hour after the installation, the banker's Packard caught on fire. (They didn't get the loan.)

Galvin didn't give up. He drove his Studebaker nearly 800 miles to Atlantic City to show off the radio at the 1930 Radio Manufacturers Association convention. Too broke to afford a booth, he parked the car outside the convention hall and cranked up the radio so that passing conventioners could hear it. That idea worked. He got enough orders to put the radio into production.

WHAT'S IN A NAME

That first production model was called the 5T71. Galvin decided he needed to come up with something a little catchier. In those days many companies in the phonograph and radio businesses used the suffix "ola" for their names. Radiola, Columbiola and Victrola were three of the biggest. Galvin decided to do the same thing, and since his radio was intended for use in a motor vehicle, he decided to call it Motorola.

But even with the name change, the radio still had problems: When Motorola went on sale in 1930, it cost about \$110 uninstalled. At a time when you could buy a brand-new car for \$650, and the country was sliding into the Great Depression. (By that, a radio for a new car would cost about \$3,000 today.) In 1930 it took two men several days to put in a car radio. The dashboard had to be taken apart so that the receiver and a single speaker could be installed, and the ceiling had to be cut open to install the antenna. These early radios ran on their own batteries, not on the car battery, so holes had to be cut into the floorboard to accommodate them.

The installation manual had eight complete diagrams and 28 pages of instructions. Selling complicated car radios that cost 20 percent of the price of a brand-new car wouldn't have been easy in the best of times, let alone during the Great Depression.

Galvin lost money in 1930 and struggled for a couple of years. But things picked up in 1933 when Ford began offering Motorola's radios pre-installed at the factory.

In 1934 they got another boost when Galvin struck a deal with B.F. Goodrich to sell and install them in its chain of tire stores. By then the price of the radio, installation included, had dropped to \$55. The Motorola car radio was off and running. The name of the company would be officially changed from Galvin Manufacturing to "Motorola" in 1947.

In the meantime, Galvin continued to develop new uses for car radios. In 1936, the same year that it introduced push-button tuning, it also introduced the Motorola Police Cruiser, a standard car radio that was factory preset to a single frequency to pick up police broadcasts.

In 1940 he developed the first handheld two-way radio. The

Handie-Talkie for the U. S. Army.

A lot of the communications technologies that we take for granted today were born in Motorola labs in the years that followed World War II.

In 1947 they came out with the first television to sell under \$200. In 1956 the company introduced the world's first pager. In 1969 it supplied the radio and television equipment that was used to televise Neil Armstrong's first steps on the Moon. In 1973 it invented the world's first handheld cellular phone. Motorola is one of the largest cell phone manufacturer in the world. And it all started with the car radio. **WHATEVER HAPPENED** to the two men who installed the first radio in Paul Galvin's car. Elmer Wavering and William Lear, ended up taking very different paths in life. Wavering stayed with Motorola. In the 1950's he helped change the automobile experience again, when he developed the first automotive alternator, replacing inefficient and unreliable generators. The invention lead to such luxuries as power windows, power seats, and, eventually, air-conditioning. Lear also continued inventing. He holds more than 150 patents. Remember the eight-track tape players? Lear invented that.

But what he's really famous for are his contributions to the field of aviation. He invented radio direction finders for planes, aided in the invention of the autopilot. Designed the first fully automatic aircraft landing system. In 1963 introduced his most famous invention, the Lear Jet, world's first mass-produced, affordable business jet. Not bad for a guy who dropped out of school after the eighth grade. Sometimes it is fun to find out how some of the many things that we take for granted actually came into being! And It all started with a woman's suggestion!

New TV Show "Hang Men" About Big Tower Installs

Check out a new show on the Discovery Channel called "Hang Men". It's all about Big Tower installations and repair.

Hang Men - "The Climb" Teaser Trailer

- YouTube_

(<https://www.youtube.com/watch?v=a3ZueXHhFsQ>)

Resources for Contesters

Contesting Tips for Little Pistols - a webinar by Dan Zeitlin K2WYE (1 hr 11 min)

<http://wwrof.org/webinar-archive/688/>

Building a Super Station - 30th Anniversary Edition by David Robbins K1TTT

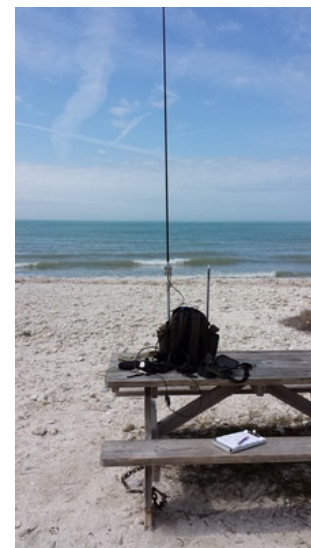
Free for download, \$139.22 for the printed version. 700+ pages

<http://www.lulu.com/shop/david-robbins/building-a-super-station-30th-anniversary/ebook/product-21439616.html>

Operating QRP Portable in Florida

by Jim Smith K3RTU

My wife and I recently visited my wife's sister in Dunedin which is just north of Clearwater. I brought along my three QRP rigs like I do every time I visit. On Monday and Wednesday I worked five European stations, two Germans, one Italian, one French and a Ukraine station on 10m sideband running 5 to 10 watts with a 112 inch whip mounted on the side of my backpack. I was operating on Honeymoon Island which is connected by a causeway with Dunedin where we stayed. Ten meters was wide open from the Ukraine to California, but each time I operated I was being heard well all over Europe until the California Kilowatts started to hammer through. The pileups got pretty intense and drowned out my QRP power and pack mounted whip.



In addition to the places I worked on Monday and Wednesday I got out again to Honeymoon Island on Thursday. This time I was using my KX3 and an end fed random wire attached to a line thrown over the top of a 25 ft palm tree. I used a 9 to 1 unbalanced to unbalanced transformer. The transformer was mounted on an 18 inch tent peg stuck in the ground to form a sloper. Using 35 feet of RG 8 as a counterpoise, I attached it to the KX3. I managed to have a nice QSO with a station in Maine and another near Toronto. Then I changed bands and went on 20 meters and had a nice long QSO with an Italian ham in Anzio. The sky started to look like rain after working Italy so I packed up. All in all I had a great time, but I really found the ten meter band to be so over-crowded with kilowatts that I'm surprised anyone in Europe could hear my puny signals. By contrast, 20 meters was very quiet when I used it because most of the kilowatt stations were on 10 meters.

Hamfests and Contests

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

Hamfests

Warminster ARC Hamfest (WARC)

Date: May 4, 2014

Location: Middletown Grange Fairgrounds, 576 Penns Park Road, Wrightstown (Newtown), PA, just south of junction of Rt 232 & Rt 413

Sponsor: Warminster ARC, PO Box 113, Warminster, PA 18974

Website: <http://www.k3dn.org> click here for [hamfest info](#), [flyer](#) or [vendor pre-registration form](#)

Cost: \$5 (ULS/kids U13 free) at gate; Vendors: Tailgate \$10/Table \$15, plus admission

Opens: 7 am (vendors at 6 am; Rain or Shine

VE Testing*: 10 am; call Larry Abbot, WA3ELQ, at 215-443-7521 for more info; Walk-ins welcome

WAS Field Checking of QSL cards

Dayton Hamvention and ARRL National Convention (*the largest hamfest in the country, if not the world!*)

Date: May 16-18, 2014

Location: [Hara Arena](#), 1001 Shiloh Springs Road, Trotwood, Ohio

Sponsor: Dayton ARA

Website: <http://www.hamvention.org> Flea Market [Map](#)

Cost: [Ticket Info](#); 3-day ticket \$20 in advance (14 May), \$25 at door, kids 12U free, HS students free at Will Call window

Opens: 8 am (Fri, Sat, Sun); closes 6pm Fri, 5pm Sat, 1pm Sun

VE Testing*: Free; Friday 2:30, Saturday 9:30 am and 1:30 pm; contact exams@hamvention.org (NOTE: Pre-registration is required *only if special testing accommodations are needed*)

Firecracker Hamfest and Eastern Pennsylvania (EPA) Section Convention Expo and Hamfest

Date: July 5, 2014

Location: Harrisburg Area Community College Fire Training Grounds, 3599 Industrial Road, Harrisburg PA 17110; I81 to Exit 67 (Farm Show Rt 22 East); follow Rt. 22 about 3000 ft, turn Right at light;

continue on Wildwood Park Dr, road becomes Industrial Road. Hamfest/Convention 3/4 mile on Right

Sponsor: Harrisburg Radio Amateurs Club, PO Box 355, 462B Tourist Road Halifax, PA 17032

Website: <http://www.w3uu.org> (new website) | [On-line flyer](#)

Cost: \$5 (XYL, kids U12 free) or \$10 per carload; Tailgate: \$5 per space, Tables: \$12 (\$15 after 01 June)

Opens: 8:00 am, Vendor Setup 6-9 pm Friday or 6:00 am Sat

VE Testing*: 11 am, walk-ins welcome

DXCC & WAS card checking on-site until 10 am; Special Event Station W3W

Mid-Atlantic ARC (MARC) Hamfest and Computer Fair

Date: July 12, 2014 (SATURDAY)

Location: Kimberton, PA, Fire Co. Fair Grounds, Route 113, south of the intersection with Route 23

Sponsor: Mid-Atlantic ARC (MARC), PO Box 557, Eagleville, PA 19408

Website: <http://www.marc-radio.org> | [Flyer](#) | [Directions](#)

Cost: \$6 (ULS, kids free); Tailgate: \$6 (plus admission); indoor table w/electric: \$10 1-4 tables, \$8 for 5 or more (plus admission)

Opens: 8 am, Sellers 7 am

VE Testing*: Arrive at 9:45 AM, starts 10 AM; [Testing Info](#) or call Bob Lees (W3ZQN), 610-324-5319

DXCC and WAS Card Checking

Contests

EU PSK DX Contest

1200Z, May 17 to 1200Z, May 18

Find Rules at:

http://www.epc-ru.ru/index.php?option=com_content&task=view&id=1144&Itemid=79

CQ WW WPX Contest, CW

0000Z, May 24 to 2400Z, May 25

Find Rules at:

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

ARRL Field Day

1800Z, Jun 28 to 2100Z, Jun 29

Find Rules at:

<http://www.arrl.org/field-day>

RAC Canada Day Contest

0000Z-2359Z, Jul 1

Find Rules at:

<https://www.rac.ca/en/rac/programmes/contests/files/2013%20Canada%20Day%20Rules%20and%20Entry%20Form%20-%20English-French.pdf>

North American QSO Party, RTTY

1800Z, Jul 19 to 0559Z, Jul 20

Find Rules at:

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