



**Western Pennsylvania Repeater Council, Inc.**  
**Meeting Notes October 18, 2015 1:00PM**  
**The Masonic Lodge - Punxsutawney, PA : Meeting Host Jim Knox N5NWC**

**W.P.R.C, Inc. 3000 Village Run Road, Unit 103 #173, Wexford Pa 15090-9244**  
**W.P.R.C. E-Mail: [wprc@wprcinfo.org](mailto:wprc@wprcinfo.org) --- W.P.R.C. Web Site: <http://www.wprcinfo.org>**

Chairman: Paul Plants W3PLP Re-Elected  
Vice-Chairman: Elmer (Bud) Plants N3TIR  
Secretary: Thomas Brew K3WS  
Assistant Secretary: Elaine Bailey K3EMM Appointed  
Treasurer: Tom Cooney Jr. W3SF 2014-2015

Frequency Coordinator: Frank Bobro N3FB Appointed  
Bylaws Committee Chairman: Jeff Blake N8PSU Appointed  
Technical Committee Chairman: Kevin Custer W3KKC Appointed  
Treasurer Elected & Webmaster: Scott Zimmerman N3XCC 2016-2017

----- October 18<sup>th</sup> 2015 Election Meeting Report Highlights -----

We would like to extend a "thank you" to the 26 people who gave of their time and attended the October 18<sup>th</sup> WPRC, Inc. year end election meeting at the Masonic Lodge in Punxsutawney, PA. It is only with your participation we can effectively do our jobs and serve you to the best of our abilities. It is with your strong attendance this whole year we have positively affected forward thinking and continuous improvements as you will see even more in this year-end report. As a result of this meeting, and with the help of everyone in attendance, we voted on some important matters including the 2016 meeting location and a new 70cm band plan. (The meeting address and talk-in information will be posted soon.) Because of your cooperation and efficiency, this meeting was completed in just under 80 minutes and everyone arrived on time. At the end of the meeting everyone stuck around for a demonstration on DMR which is a digital radio format consisting of two time slots that permit one frequency to be used by two people at the same time without interfering with each other. Presenter: Dylan Beaty KC3DVR.

A special thank you to Jim Knox N5NWC and the Masonic Lodge our host for this great meeting location. Pictures have been posted on the WPRC, Inc. Facebook page (Photographer Jack Brew KC3BGR) Our year end meeting was completed in a very orderly fashion with the input and feedback of everyone in attendance.

For this meeting, Tony K3PXY purchased \$400.00 worth of gift certificates (that everyone in attendance received) to the HONG KONG Chinese Buffet just down the road from the meeting. We saw most of the folks who attended the meeting there for an after meeting social. Please pass on your thanks to Tony as you hear him on the WAN system.

Thank you to Elisha Zimmerman KB9WCX who produced the most recent WPRC, Inc. newsletter. We look forward to future publications.

**Just a reminder that our 2016 membership renewal time is upon us. Please have your completed accurate membership form and payment in to the WPRC, Inc. by or before the 2016 April Spring meeting. An updated membership form is available on [wprcinfo.org](http://wprcinfo.org) or by e-mail request to [sec@wprcinfo.org](mailto:sec@wprcinfo.org)**

*Please direct any comments and or feedback regarding this report directly to [sec@WPRCinfo.org](mailto:sec@WPRCinfo.org) or via US Mail to: WPRC, Inc. c/o Secretary, 3000 Village Run Road, Unit 103 #173 Wexford, PA 15090-9244 All comments officially received will be logged and properly processes at future meetings if so required.*

----- **October 18<sup>th</sup> 2015 Year End Meeting Report** -----

Jim Knox N5NWC started the meeting with a prayer asking for the Lord's blessing of our health, our efforts as a group working together, and Jim also asked that we all be blessed with a safe trip home. Jim concluded asking for the Lord's blessing watching over and helping us to make good decisions.

**1) Meeting Called to Order**

Paul W3PLP called the Regular Meeting of the Western Pennsylvania Repeater Council to order at 1:00 PM. Paul announced that as with all meetings there is an audio recording that is kept on file for board of director access only. Paul also mentioned that if anyone was uncomfortable with the meeting being archived in audio format they were welcome to step out. Audio Log # 3873

**2) Welcome and Introductions.** We went around the room and introduced ourselves by name and call sign. Refer to attendance list at the end of this report. Log # 3870. Paul asked to make sure everyone has checked in with the Secretary and signed the check in sheet.

**3) New Members**

Tom W3SF Reported the following proposed new member:

Daniel Patton, KB3FCZ - White Oak, PA - West Mifflin, Allegheny Cty - 145.330 KB3FCZ. Welcome new member who is formally seated.

Motion to Approve and Seat: Paul AB3PJ 2<sup>nd</sup>: Chuck N3LAD Vote: Unanimous

**4) Treasurer's Year End Report Tom W3SF** From Log # 3876

**2015 Western PA Repeater Council - Treasurer's Report  
Sunday, October 18, 2015 by W3SF**

Date	Description	Checking	Petty Cash
<b>10/19/2014</b>	<b>Account Balances</b>	<b>7773.87</b>	<b>94.73</b>
	Membership Dues Deposits:	225.00	
	Year to Date Other Deposits (ARRL Stipend):	0.00	
	Interest Deposits (checking with interest):	0.39	
	Expenses Through End of 2014:		
	Mail Box & Forwarding Thru 11-15-2015	-250.00	
12/31/2014	2014 Year Ending Balances:	<b>7749.26</b>	<b>94.73</b>
1/1/2015	2015 Year Opening Balances:		

**Income, Year to Date 2015:**

Membership Dues Deposits:	885.00
Year to Date Other Deposits (ARRL Stipend):	370.00
Interest Deposits (checking with interest):	1.26

**Expenses, Year to Date 2015:**

Mailbox Forwarding Postage Replenishment:	-100.00
wprcinfo.org Domain Registration - 5 years	-55.25
Postage	-12.98
Meeting Hall Use Donations	-50.00

<b>10/18/2015</b>	<b>8800.27</b>	<b>81.75</b>
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<b>10/18/2015 Total WPRC Funds:</b>	<b>8882.02</b>	
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Membership Database Records	335
2015 Membership - Regular Renewal	64
2015 Membership - Regular NEW	3
2015 Membership - Associate Renewal	0
2015 Membership - Associate NEW	1
2015 Membership - Complimentary Records	5
68 members / 329 Coordinations	20.70%

Motion to Approve: Paul AB3PJ 2<sup>nd</sup>: Chuck N3LAD Vote: Unanimous

**5) Frequency Coordinator Report - Frank N3FB**

Since July 1, 2015 the following items have been processed:

We have 5 Open Applications that are currently being processed.

- 9 – Deletions, these were database maintenance.
- 2 – Denials
- 3 – Final Coordinations
- 6 – Initial Coordinations
- 15 – Requests from surrounding Coordination Bodies.

Frank posted an update to the database on October 14, 2015.

On October 1, ARRL froze their database in preparation for a major change to their system. In advance of that Freeze, Frank reviewed every record that was on the ARRL database for accuracy and made corrections as necessary.

Thanks again to Kevin W3KKC for all of the work that he does behind the scenes; from assisting with a coordination question to double checking the applications. When Frank sees an application, he knows the data has been reviewed and is correct. This makes it easy for him and he appreciates the effort and help.

Frank also thanked the board for what they do. All of this with “free time” which is very hard to come by.

Frequency Coordinator Year End report:

The totals from last October to now are:

- 11 – Deletions, these were database maintenance.
- 14 – Denials
- 25 – Final Coordinations (New or Trustee Change)
- 45 – Requests from surrounding Coordination Bodies.

We handled an interference request and followed up on three machines reported as down.

We have worked with WPRC, Inc. web site coordinator so that we can make periodic web site listing updates. We have kept WPRC Inc. records current with the ARRL repeater database.

Around the room applause to this effort was heard from all in attendance. Several people made positive comments on the progress Frank has made and working with almost nothing from the start. Thank you and congratulations to Frank from all of us.

## 6) Committee Reports

### a) Technical Committee – Kevin W3KKC

Kevin addressed the room saying he did not want to focus what “he” has done rather he wanted to focus on what the council has done as a team. Kevin openly and especially thanked Frank for what he has done in creating the coordination database noting the organization would not function without Frank and his efforts. Kevin, as we all know, tackles most of the technical issues presented to this group and in most cases even settles most disputes before they even become official business. And as Frank mentioned, Kevin proofs and or fact checks applications making coordination cycle time much shorter.

### b) Public Relations Committee – Scott N3XCC

Scott thanked Elisha Zimmerman KB9WCX who produced the most recent WPRC, Inc. newsletter. Scott had a discussion on how people preferred to receive them in the future. The newsletter was sent to 152 people.

## 7) Old Business

a) Fred KA3UEL Inquiry: discuss and educate how we will reply and or process. Kevin W3KKC announced that we have received a letter questioning the Trustee / Back-Up Trustee assignment for the New Castle 146.625 Burt WA3VRD. Jake KC3BDF and Milton KD8UWI equipment owner stood up and explained that all information in the pending application is accurate and valid. This request and letter in question met with a lot of around the room discussion. All in attendance noting that nobody showed up at this meeting to stand against the pending signed application. Tom K3WS made a comment that we are all impressed that folks showed up to discuss and help decide on this matter as participation counts.

Motion Made by Scott N3XCC to accept the officially filed application change as is and process it without question. 2<sup>nd</sup> by Bryan WA3UFN Vote: UNAMIOU

## 8) New Business

- a) We have issued 125 log numbers since January 1, 2015.

**9) Good of the Council:** noting mentioned

## 10) Location and time of 2016 meetings.

Lengthy open around the room discussion and proposals lead to the following 2016 meeting schedule.

We are now on a 3 meeting a year schedule. April at the Nicktown Church Hall Northern Cambria – Host Chuck N3LAD and Dylan KC3DVR, July in North Pittsburgh PA at the Channel 11 Studio - Host Frank N3FB, and October in Punxsutawney, PA – Host Jim N5NWC. Time, address, and talk in will be posted.

Motion to Approve: Kevin W3KKC 2<sup>nd</sup> Scott N3XCC Vote: Unanimous

## 11) Kevin W3KKC Special Proposal for NEW 70cm / UHF Band Plan

After Kevin verbally presented his 70cm band plan and all its details he fielded several questions and suggestions of which all were answered or given a place in the plan and its future use. This topic was discussed for over 35 minutes and 3 conditions to the frequency coordination application were requested as indicated within the plan seen below. This proposal is all about opening up additional frequencies as digital usage grows. Thank you everyone in attendance for your input and support making this possible.

### PROPOSED 70 CENTIMETER BANDPLAN – October 18, 2015 – Kevin Custer W3KKC

- 420.0000 -426.0000 ATV Repeater Output Primary (421.250 visual carrier) (a)
- 424.0125 -424.9875 FM Voice Auxiliary Links Secondary (12.5 kHz spacing) (b)
- 425.0000 -431.0000 ATV Input Primary (426.250 visual carrier) (c)
- 430.0125 -430.9875 FM Voice Auxiliary Links Secondary (12.5 kHz spacing) (b)
- 431.0000 -432.0000 Reserved for future assignment
- 432.0000 -433.0000 Weak signal modes only (CW, SSB, EME, Beacons)
- 433.0125 -434.9875 FM Voice Auxiliary Links (12.5 kHz spacing)
- 435.0000 -438.0000 International satellite-exclusive subband
- 438.0000 -444.0000 ATV Repeater Output Secondary (439.250 visual carrier) (d)
- 440.0000 -440.0750 Digital repeater outputs (12.5 or 25 kHz spacing) (h)
- 440.1000 -440.9000 FM Voice Repeater Outputs (25 kHz spacing) (e, f, g, h)
- 440.9250 -441.0750 Digital simplex (12.5 or 25 kHz spacing) (i)
- 441.1000 -444.9750 FM Voice Repeater Outputs (25 kHz spacing) (f, g, h)
- 445.0000 -445.0750 Digital repeater Inputs (12.5 or 25 kHz spacing) (h)
- 445.1000 -445.9000 FM Voice Repeater Inputs (25 kHz spacing) (f, g, h)
- 445.9250 -446.0750 FM Voice Simplex
- 446.1000 -446.9750 FM Voice Repeater Inputs, Links (25 kHz spacing) (f, g, h)
- 447.0000 -449.9750 FM Voice Repeater Inputs (25 kHz spacing) (g, h)

(a) The 420 to 426 MHz subband is the primary ATV repeater output channel, with visual carrier on 421.250 MHz. WPRC strongly encourages cross-band ATV operations between 70 centimeters and the higher bands. ATV operations must use horizontal polarization.

(b) Narrowband FM auxiliary link operations in the 424 to 425 MHz and 430 to 431 MHz segments have secondary status to primary ATV operations. FM auxiliary links in these segments must use vertical polarization and directional antennae with a minimum of 9 dBi forward gain and 15 dB front/back and front/side ratio.

(c) The 425 to 431 MHz subband is the primary ATV input channel, with visual carrier on 426.250 MHz. WPRC strongly encourages cross-band ATV operations between 70 centimeters and the higher bands. ATV operations must use horizontal polarization.

(d) New ATV repeaters may use the 438 to 444 MHz subband as an output channel on a secondary basis, utilizing horizontal polarization to reduce the possibility of interference to vertically-polarized narrowband FM operations. In areas where an ATV repeater is using this channel, the FM repeater pair of 443.750 output/448.750 input will not be eligible for coordination to protect the ATV aural channel.

(e) Although this subband is considered secondary for ATV operations, new FM repeaters with outputs in this segment should take whatever measures are necessary to minimize interference to existing, grandfathered ATV repeaters using 438-444 MHz as a repeater input.

(f) Frequencies between 445.000 and 446.975 MHz, aside from those used by digital and FM simplex operations, may be in use as auxiliary link frequencies for grandfathered coordinations. As such, not all frequencies in this segment will be available for new coordinations to afford protection to the existing coordinations.

(g) All FM, Digital, and Dual Mode repeater pairs use a 5 MHz transmit/receive spacing.

(h) Narrowband FM and digital repeaters will be offset +6.25 kHz or -6.25 kHz from the wideband channel center, thereby allowing two narrowband operations to exist at 12.5 kHz spacing within the bandwidth normally occupied by a single wideband operation. Wideband FM repeaters applying to modify an existing coordination to convert to digital operation may be required to relocate to the digital subband, unless no frequencies exist therein, in which case they will operate +6.25 kHz or -6.25 kHz from the previously-coordinated analog channel center.

(i) Shared with existing packet radio coordinations.

**70cm FM Voice Auxiliary Links:**

424.0125	424.0250	424.0375	424.0500	424.0625	424.0750	424.0875
424.1000	424.1125	424.1250	424.1375	424.1500	424.1625	424.1750
424.1875	424.2000	424.2125	424.2250	424.2375	424.2500	424.2625
424.2750	424.2875	424.3000	424.3125	424.3250	424.3375	424.3500
424.3625	424.3750	424.3875	424.4000	424.4125	424.4250	424.4375
424.4500	424.4625	424.4750	424.4875	424.5000	424.5125	424.5250
424.5375	424.5500	424.5625	424.5750	424.5875	424.6000	424.6125
424.6250	424.6375	424.6500	424.6625	424.6750	424.6875	424.7000
424.7125	424.7250	424.7375	424.7500	424.7625	424.7750	424.7875
424.8000	424.8125	424.8250	424.8375	424.8500	424.8625	424.8750
424.8875	424.9000	424.9125	424.9250	424.9375	424.9500	424.9625
424.9750	424.9875	430.0125	430.0250	430.0375	430.0500	430.0625
430.0750	430.0875	430.1000	430.1125	430.1250	430.1375	430.1500
430.1625	430.1750	430.1875	430.2000	430.2125	430.2250	430.2375
430.2500	430.2625	430.2750	430.2875	430.3000	430.3125	430.3250
430.3375	430.3500	430.3625	430.3750	430.3875	430.4000	430.4125
430.4250	430.4375	430.4500	430.4625	430.4750	430.4875	430.5000
430.5125	430.5250	430.5375	430.5500	430.5625	430.5750	430.5875
430.6000	430.6125	430.6250	430.6375	430.6500	430.6625	430.6750
430.6875	430.7000	430.7125	430.7250	430.7375	430.7500	430.7625
430.7750	430.7875	430.8000	430.8125	430.8250	430.8375	430.8500
430.8625	430.8750	430.8875	430.9000	430.9125	430.9250	430.9375
430.9500	430.9625	430.9750	430.9875	433.0125	433.0250	433.0375
433.0500	433.0625	433.0750	433.0875	433.1000	433.1125	433.1250
433.1375	433.1500	433.1625	433.1750	433.1875	433.2000	433.2125
433.2250	433.2375	433.2500	433.2625	433.2750	433.2875	433.3000
433.3125	433.3250	433.3375	433.3500	433.3625	433.3750	433.3875
433.4000	433.4125	433.4250	433.4375	433.4500	433.4625	433.4750
433.4875	433.5000	433.5125	433.5250	433.5375	433.5500	433.5625
433.5750	433.5875	433.6000	433.6125	433.6250	433.6375	433.6500
433.6625	433.6750	433.6875	433.7000	433.7125	433.7250	433.7375
433.7500	433.7625	433.7750	433.7875	433.8000	433.8125	433.8250

433.8375	433.8500	433.8625	433.8750	433.8875	433.9000	433.9125
433.9250	433.9375	433.9500	433.9625	433.9750	433.9875	434.0000
434.0125	434.0250	434.0375	434.0500	434.0625	434.0750	434.0875
434.1000	434.1125	434.1250	434.1375	434.1500	434.1625	434.1750
434.1875	434.2000	434.2125	434.2250	434.2375	434.2500	434.2625
434.2750	434.2875	434.3000	434.3125	434.3250	434.3375	434.3500
434.3625	434.3750	434.3875	434.4000	434.4125	434.4250	434.4375
434.4500	434.4625	434.4750	434.4875	434.5000	434.5125	434.5250
434.5375	434.5500	434.5625	434.5750	434.5875	434.6000	434.6125
434.6250	434.6375	434.6500	434.6625	434.6750	434.6875	434.7000
434.7125	434.7250	434.7375	434.7500	434.7625	434.7750	434.7875
434.8000	434.8125	434.8250	434.8375	434.8500	434.8625	434.8750
434.8875	434.9000	434.9125	434.9250	434.9375	434.9500	434.9625
434.9750	434.9875					

**70cm VSB-AM ATV Repeater Channels:**

- 421.250 visual (output primary)
- 426.250 visual (input primary)
- 439.250 visual (output secondary)

**70cm Digital Repeater Outputs (+5 MHz offset) (4-25 kHz spaced pairs\* or 8-12.5 kHz spaced pairs):**

- 440.000\*
- 440.0125
- 440.025\*
- 440.0375
- 440.050\*
- 440.0625
- 440.075\*
- 440.0875

**70cm FM Voice Repeater Outputs (+5 MHz offset) (34 pairs at 25 kHz):**

440.100	440.125	440.150	440.175	440.200	440.225	440.250
440.275	440.300	440.325	440.350	440.375	440.400	440.425
440.450	440.475	440.500	440.525	440.550	440.575	440.600
440.625	440.650	440.675	440.700	440.725	440.750	440.775
440.800	440.825	440.850	440.875	440.900	440.925	

**70cm Digital Simplex (6 frequencies at 25 kHz or 12 frequencies at 12.5 kHz)**

- 440.950\*
- 440.9625
- 440.975\*
- 440.9875
- 441.000\*
- 441.0125
- 441.025\*
- 441.0375
- 441.050\*
- 441.0625
- 441.075\*
- 441.0875

**70cm FM Voice Repeater Pair Outputs (+5 MHz offset) (161 pairs {125 existing plus 36 new} at 25 kHz):**

441.100	441.125	441.150	441.175	441.200	441.225	441.250
441.275	441.300	441.325	441.350	441.375	441.400	441.425
441.450	441.475	441.500	441.525	441.550	441.575	441.600
441.625	441.650	441.675	441.700	441.725	441.750	441.775
441.800	441.825	441.850	441.875	441.900	441.925	441.950
441.975	442.000	442.025	442.050	442.075	442.100	442.125
442.150	442.175	442.200	442.225	442.250	442.275	442.300
442.325	442.350	442.375	442.400	442.425	442.450	442.475
442.500	442.525	442.550	442.575	442.600	442.625	442.650

442.675	442.700	442.725	442.750	442.750	442.800	442.825
442.850	442.875	442.900	442.925	442.950	442.975	443.000
443.025	443.050	443.075	443.100	443.125	443.150	443.175
443.200	443.225	443.250	443.275	443.300	443.325	443.350
443.375	443.400	443.425	443.450	443.475	443.500	443.525
443.550	443.575	443.600	443.625	443.650	443.675	443.700
443.725	443.750	443.750	443.800	443.825	443.850	443.875
443.900	443.925	443.950	443.975	444.000	442.900	442.925
442.950	442.975	444.000	444.025	444.050	444.075	444.100
444.125	444.150	444.175	444.200	444.225	444.250	444.275
444.300	444.325	444.350	444.375	444.400	444.425	444.450
444.475	444.500	444.525	444.550	444.575	444.600	444.625
444.650	444.675	444.700	444.725	444.750	444.750	444.800
444.825	444.850	444.875	444.900	444.925	444.950	444.975

**Summary:**

This change in bandplan will have a minimal impact on existing coordinations of all types. It will align our bandplan with the ARCC (eastern PA) with the exception of inverted repeater pairs which the WPRC has never done. It affords four or eight additional repeater pairs dedicated for digital repeater operation, 6 or 12 digital simplex channels, and an additional 70 repeater pairs at a 25 kHz spacing or approximately 140 narrowband pairs. We will continue to reserve 442.000 and 442.025 for Shared Non Protected (SNP) operations. These two pairs shall not be coordinated. After considerable discussion, this change was brought to a motion and passed unanimously at the October 2015 “annual” meeting.

**Addition to the WPRC’s “Repeater Coordination Policies”:**

Since Yaesu’s System Fusion repeaters are not currently narrowband compliant, and the trend is to use them in a fashion which allows for automatically changing modes, they will be coordinated on wideband (25 kHz spaced) channels only. This will ensure that these dual mode repeaters don’t interfere with actual 12.5 kHz narrowband compliant adjacent channel coordinations, no matter what mode (or mode(s) within a mode) they are using. This was brought to a motion and passed unanimously at the October 2015 “annual” meeting.

**Additions to the WPRC frequency coordination application Form 100:**

The WPRC will update the current frequency coordination application Form 100 to include emission designations. It will be the responsibility of the applicant to provide accurate primary and secondary emission designations on the Form 100. The WPRC will attempt to cross-reference all current emission standards that affect amateur frequency coordination, and include them on the web site. This will be done in an attempt to educate the applicant so accurate emission data can be collected.

**Additions to the Initial and Final Coordination:**

The Frequency Coordinator will include the emission designator as part of the frequency coordination. It will be the responsibility of the Trustee to comply with the emission(s) granted in the Coordination.

Motion to adopt the 70cm band plan as proposed and modified at the October 18<sup>th</sup> meeting:

Joe W3BC 2<sup>nd</sup>: Brian AB3AA Vote: Unanimous

**12) Elections**

Chairman position: With no other nominations for Chairman, Tom K3WS asked for a motion to close nominations for Chairman and asked for a unanimous ballot to re-elect Paul W3PLP for an additional term. Motion to close nominations: Bill N3BPB 2<sup>nd</sup>: Kevin W3KKC

Motion to Approve and Seat Paul W3PLP: Paul AB3PJ 2<sup>nd</sup>: Chuck N3LAD Vote: Unanimous

Treasurer position: Tom K3WS nominated Scott N3XCC with a second from Chuck N3LAD. Kevin W3KKC asked Tom W3SF if he accepts the nomination from a previous meeting. With the outcome of the discussion being Tom W3SF receding his nomination for Treasurer. Tom K3WS asked for a motion to close nominations for Treasurer. Motion to close nominations: Chuck N3LAD 2<sup>nd</sup>: Paul AB3PJ



Tom K3WS asked for a unanimous ballot to Approve and Seat Scott N3XCC: Paul AB3PJ 2<sup>nd</sup>: Chuck N3LAD Vote: Unanimous

Kevin called for a round of applause for the job that Tom W3SF has done to date. The room agreed with applause. Thank you Tom, great work.

### 13) Adjournment at 2:21 PM

Motion to Adjourn: Brian AB3AA 2<sup>nd</sup>: Bill N3BPB Vote: Unanimous

### 14) Attendance as copied from signed attendance Log Number: 3870 – 26 in attendance.

Paul Plants	W3PLP	Board of Directors – Chairman Re-elected
Elmer “Bud” Plants	N3TIR	Board of Directors – Vice-Chairman
Tom Brew	K3WS	Board of Directors – Secretary
Elaine Bailey	K3EMM	Board of Directors – Assistant Secretary
Kevin Custer	W3KKC	Board of Directors – Technical Committee Chairman
Frank Bobro	N3FB	Board of Directors – Frequency Coordinator
Jim Knox	N5NWC	Board of Directors – Chaplain
Tom Cooney Jr.	W3SF	Board of Directors – Treasurer 2014 - 2015
Scott Zimmerman	N3XCC	Board of Directors – Treasurer Elected & Webmaster
Jack Brew	KC3BGR	Member
Brian Fornwalt	N3ZQY	Member – 2 <sup>nd</sup> Rep
Joe Shupienis	W3BC	Member
Bryan Simanic	WA3UFN	Member
William Kristoff Jr.	N3BPB	Member
Chuck Englody	N3LAD	Member
Patty Marshall	N3XAR	Member
Paul Bidzilya	AB3PJ	Member
Alan Carnes	N3FJU	Member
Doug Smith	N3COW	Member
Mike Errigo	WB3EQW	Member
Brian Burton	AB3AA	Member
Tony Rend	K3PXY	Associate Member
Betty Burton		Guest
Lori Bobro	KB3GMU	Guest
Chris Englody	KC3DTC	Guest
Dylan Beaty	KC3DVR	Guest

On behalf of the Board of Directors and Special Committees, Thank you to everyone for your continued support and assistance in the growth and continued success of the WPRC, Inc. providing effective coordination services to the amateur community in which we serve.

Meeting Notes Log Number: 3872

Meeting Audio Log Number: 3873

Meeting Sign In Log Number: 3870

**The April 17<sup>th</sup> 2016 Spring meeting will be held at the Nicktown Church Hall  
Northern Cambria – Host Chuck N3LAD and Dylan KC3DVR  
203 St Henry St, Nicktown, PA 15762  
40°36'52.22"N - 78°48'11.11"W  
Talk In 441.000 TG:99 TS:1 CC:1**

*Please direct any comments and or feedback regarding this report directly to [sec@WPRCinfo.org](mailto:sec@WPRCinfo.org) or via US Mail to: WPRC, Inc. c/o Secretary, 3000 Village Run Road, Unit 103 #173 Wexford, PA 15090-9244 All comments officially received will be logged and properly processes at future meetings if so required.*

## Introduction from the guest presenter at the October 18<sup>th</sup> Year End Meeting

Hello everyone I am Dylan Beaty ~ KC3DVR, I recently gave a presentation at the WPRC meeting on October 18<sup>th</sup> on DMR. DMR is a digital radio format consisting of two time slots that permit one frequency to be used by two people at the same time without interfering with each other. Through linking the DMR network has expanded to cover most of North America and spreading around the world. Hams in other regions have enjoyed the system so much that the number of talk groups has expanded to include ones that cover the whole world all the way down to just your local machine. What makes DMR special is that ability to just talk on your local machine. With the 2 time slot technology and the vast number of talk groups any DMR repeater can have one person talking on worldwide (time slot one) and someone talking on local (time slot two) and they do not interfere with each other at all.

DMR was developed as a commercial protocol based on the fact that frequency is expensive so if you can make 2 talk channels fit on to one frequency then why would you not do it. The same is true for us, where we don't have to pay a fee for each of our frequency's, space is limited in our bands so doubling up is a win/win. Also DMR is a narrow band compliant mode so not only to we get two talk channels per frequency, but the regular 25khz pairs can be split to again double the amount of talk channels on a regular 25khz pair. Four talk channels where in times past only one would fit, this is ground breaking in our area.

I would like to thank those on the WPRC board for allowing me to present after the meeting on Sunday and thank those who stayed for the presentation. I would also like to know if your club would be interested in hearing me speak or have any questions on DMR and the plans I have for Western PA, please contact me at the email below and I will get back to you.

Thanks for reading  
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