



Polk County Amateur Radio Association  
1732 Forest Circle  
Balsam Lake, WI 54810  
www.N9XH.org

**August 08, 2015**

Polk County Government Center - Balsam Lake – Wisconsin

**Attendance:** Rick W9WS, Wayne KC9RBL, Jack W9JET, John NØTCN, Bruce N9BLU, Bill K9WEN, Greg N9CHA, Dale W9DKB, Chris KC9NVV, Tom AC9LG. Guest: Dan KB9W.

**09:12 am Meeting Called to Order:** Rick W9WS, President, called the meeting to order. Welcome to guest, Dan KB9W.

**Treasurers Report:** Chris KC9NVV, PCARA Treasurer

- Reported the club's bank balance.

**Old Business:** Rick W9WS, PCARA President

- N9XH VHF Repeater – The System Fusion repeater has failed. Greg N9CHA replaced a couple of relays but that did not fix the low RF power problem. Repeater sent to Yaesu in CA for repair. Arrived at CA office on Thursday, August 6<sup>th</sup>. Chris KC9NVV is loaning us his DR-1X temporarily. However, no support for linking or Echolink.
- Motion to cap the potential repair cost at \$250 in case Warranty service is denied.

**New Business:**

- Barron County has a new ham club. Meetings are bi-monthly.
- Discussion about annual dues. Perhaps raising to cover cost of internet fees. Place this item on the December agenda.
- Additional research needed to find alternative internet service provider at tower shack.

**Skywarn:**

- Severe weather, July 12th. Dan KB9OBF ran the net with Greg N9CHA backing him up. Check-ins included KD9AKU, W9RGS, W9WS, KD9DIV, KC9EMJ, W9GWG. Start 21:30 End 23:54.

**ARES/RACES:**

- Greg N9CHA – Wisconsin ARES/RACES Annual Conference, October 17<sup>th</sup> in Wisconsin Rapids. Chris KC9NVV and Greg N9CHA will attend.

**Meeting adjourned: 9:56 am** Respectfully submitted by Greg N9CHA, Secretary

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**Program:**

- Dale W9DKB, One Tube radio transmitters.
- Draw out schematic of design and explain functions of each component.
- Draw out a tube schematic and explain the heater, cathode, grids and plate functions.
- Show example of final amplifier, one tube design.
- Live example, apply filament voltage and high-voltage. Use external receiver to hear signal.
- Tune receiver to harmonic frequencies to show fundamental and up to 4<sup>th</sup> order harmonic.

Respectfully submitted by

Greg N9CHA

PCARA Secretary 2015