



VOLUME 68 ISSUE 1 January 2017  
ARRL AFFILIATED-SPECIAL SERVICE CLUB

**Monthly Ham Breakfast**

---

**LOCATION**



**Feb. 4, 2017 8-9:30 AM**  
**Mountain View Café**  
**11425 Black Forest Rd**  
**Colorado Springs, CO 80908**  
**Phone number (719) 465-1555**

All are warmly invited to come on down and join us!

---

# February PPRAA Club Meeting

The February 8th 7PM club meeting will be at the IHop on Stetson Hills Blvd (just west of Powers Blvd). 5749 Stetson Hills Blvd.



## PPRAA Club Officers

<b>President</b>	<b>Raleigh Holcomb, N4HYF*</b>
<b>Vice President</b>	<b>Mike Anderson, WV7T*</b>
<b>Secretary</b>	<b>John Wishart, NG0I*</b>
<b>Treasurer</b>	<b>James Madsen, K3ILC</b>
<b>Ø-Beat Editor</b>	<b>Jerre Redding, WA0BCM</b>
<b>Webmaster</b>	<b>Douglas Nielsen, N7LEM</b>
<b>Board</b>	<b>John Bloodgood, KD0SFY</b>
<b>Board</b>	<b>Glenn Brodt, N3ULW</b>
<b>Board</b>	<b>Dan Huber, KN0MAP</b>
<b>Board</b>	<b>Frank Rogers, KB3PDT</b>
<b>Board</b>	<b>Jim Rader, KD0NQM*</b>
<b>Board</b>	<b>Jim Bishop, KD0KQL*</b>
<b>Board</b>	<b>Virgil Yost, N0XRS*</b>
<b>Board</b>	<b>VACANT</b>

\* In final year of 2-year term

All officers can be contacted at: [boardmembers@ppraa.org](mailto:boardmembers@ppraa.org)

# Garden of the Gods Amateur Radio Club



## Garden of the Gods ARC meeting

First Monday of each month at Fargos Pizza at 11:30 am. All are welcome.

---

## PPRAA FACE BOOK

<http://www.facebook.com/pages/PPRAA-Pikes-Peak-Radio-Amateur-Association/185833894769325?v=wall>

**Ham Study Materials** Licensing and technical books are



available at Centennial Electronics.

---



## **PPRAA Business Meeting Minutes 14 December 2016**

**This short meeting was called to order at 7:00 PM at our Christmas party by President Raleigh Holcomb at the Country Buffet Restaurant on Academy Blvd. near Galley.**

**Two items of business were transacted:**

- 1. It was moved/seconded to authorize the purchase of a Yaesu FT-857 transceiver to be used at our club station for a price not to exceed \$800. Passed.**
- 2. It was moved/seconded to authorize the purchase our 2017 Megafest raffle prizes for a cost not to exceed \$3000. Passed.**

**The meeting was adjourned at 7:08 PM**

**Respectfully submitted,  
John Wishart NØ1  
PPRAA Secretary  
10 January 2016**



# PPRAA Board Meeting Minutes

## 9 January 2016

**Present:** Raleigh Holcomb, John Wishart, Mike Anderson, Jim Bishop, Frank Rogers, Virgil Yost, Pat & Doug Nielsen, Jim Madsen, John Bloodgood, Dan Huber, Jim Rader, Mr. & Mrs. Glenn Brodt, Dennis Major, and Jerre Redding.

The meeting was called to order by President Raleigh Holcomb at 6:30 PM at the IHOP Restaurant at Powers & Stetson Hills.

**Silent Keys:** None.

### **Treasurer's Report**

Jim Madsen reported that we had \$9474.58 in our accounts as of 31 December 2016.

### **Committee Reports**

**Winter Field Day** - will be held the last weekend in Jan. We will have an event that day at the club station.

**Scholarship Fund** - stands at \$378 at last report.

**Club Dues** - some discussion about how the dues may be paid (cash, check, or PayPal online). They are good for one year from date of payment.

**Mike Anderson** - Hamcon will be open for registration soon.

**Club Property Inventory** - we need to take an inventory

**17 Meter Dipole** - currently available from Mike Anderson, but not scheduled for installation yet.

**Club Manual** - Mike Anderson suggested that we need to update our club manual. The document can be downloaded from the website. A committee has been formed to review and update it. Mike A, Virgil, Raleigh, Jim Bishop are members.

Mike would like to get some office file boxes for log sheets.

**Membership** - would like to form a membership committee to bolster our roster. Mike Anderson and John Bloodgood are the initial members.

**Megafest 2017** - Jim Rader reported that prizes have been procured: ICOM 7300, ID51A HT donated by CMRG, MFJ 226 Antenna Analyzer, Kenwood TH72A, Yaesu VX-8DR HT, LDG AT-100 PRO-II Antenna Tuner, MFJ-2990 Vertical Antenna 160-6m.

It was moved/seconded to approve spending \$100 for a new raffle license. Passed.

We are going to procure a plaque to give to IHOP in gratitude for letting us use their meeting room.

It was moved/seconded to reimburse Dennis Major \$159.25 for expenses related to the VE team activities. Passed.

Jerre Redding, our new Zero Beat editor, wanted to make sure that his email is on the website for ZB editor.

Doug noted the first hamfest of 2017 will be up in Loveland this weekend. Adams County hamfest will be Sunday, Feb 19.

**Jim Madsen - our club wrote check for scholarship last April. Noted that the remote station still does not work properly. Dan Huber volunteered to work on that item.**

**Dennis Major - would like to see a program on using the remote station. He requested one room for VE exam at Megafest.**

**Moved/seconded that Jim Rader be authorized to spend up to \$300 for printing of Megafest tickets/expenses. Passed.**

**Virgil - asked whether we have an attorney. We need one for our lease renewal at Ellicott. Also wanted to know about Winter Field Day. It will be potluck. He has forms to sign up for insurance for our equipment. We will need to know values of equipment. Liability insurance expires next week. It has already been renewed.**

**John Bloodgood - School Club Roundup is coming up soon. Feb 13-17. Suggested we get a SignalLink unit for the club station radio.**

**Next PPRAA Board meeting: Monday, February 6, 2017, 6:30PM at the IHOP at Powers & Stetson Hills.**

**The meeting was adjourned at 8:06 PM**

**Respectfully submitted,  
John Wishart NGØI  
PPRAA Secretary  
23 January 2017**





**ISOTRON 20/15/10**  
**SO SIMPLE AND SO RUGGED!**  
[www.isotronantennas.com](http://www.isotronantennas.com)

### **OHM'S LAW**

This law is a binding thread to understanding all electrical circuits. How is it used and how are the values related?

There are 3 values to this law. Voltage (E), current (I) and resistance (R).

In a circuit these three values will vary in respect to each other according to law. Ohm's law. It is simply:

$$E = I \times R$$

Notice, if I increases and R stays the same, then E has to increase. If R increase and I stays the same, then E has to increase. It's the law.

One value can not change without the other two compensating per the formula. It's the law.

If you know two of the values, you can determine the third value.

If you measure voltage and measure current, what will the resistance be?

$$R = \frac{E}{I}$$

You can see if I increases and E stays the same, then it would be due to R decreasing.

If E increases and I stays the same, it is due to R increasing.

If you measure voltage and measure the resistance, how much current will be going through the circuit?

$$I = \frac{E}{R}$$

The same balance holds true here also. This part of the formula helps to prevent barbecuing your work. If you are working on a circuit, you normally know how much voltage you will apply. Before it is applied you may be able in most cases measure the resistance. This will tell you how much current will be going through the circuit. If the components or wires are for no more than .5 amp and the measurements calculate to be 10 amps, your going to send smoke signals. It's the law.

This law will apply to basic house wiring to complex circuits.

Incorporating another law will make Ohm's law even more valuable. This is Watt's law.

For another time.

73,  
Ralph WD0EJA  
JAN 2017

Test your rubber duckies!





## ARRL Incoming QSL Bureaus

[www.arrl.org/incoming-qsl-service](http://www.arrl.org/incoming-qsl-service)

## ARRL Outgoing QSL Bureaus

[www.arrl.org/outgoing-qsl-service](http://www.arrl.org/outgoing-qsl-service)

---

### ARRL Affiliated Clubs-Outgoing QSL cards

ARRL affiliated-club stations may use the service when submitting club QSLs for its members in bulk (“pooling” their members cards together in one package) by indicating the club name inside the package. Club secretaries should check club affiliation on the ARRL web site to ensure that their affiliation is current. In a “pooled” package, each club member using this service **must also be an ARRL member**. Cards should be sorted "en masse" by prefix and a proof of membership should be enclosed for each ARRL member. QSLs for unaffiliated club calls may also be sent via the outgoing bureau to foreign destinations if the trustee of the club call is a member in good standing. The trustee’s proof of membership must be included with the club call-QSLs.

---

*Ditz n Bitz*

For Sale or Wanted

Do you have something to sell, trying to find something or just want to see something get to a good home? Send it in to [wv7t@arrl.net](mailto:wv7t@arrl.net) and see it in Dits and Bits.

Also, visit the PPRAA Forum’s online Ditz and Bitz at [www.ppraa.forumotion.net](http://www.ppraa.forumotion.net) !!

# From the annals of PPRAA history

## PPRAA February 1980

February 1980:

53 members present at January meeting. Program was on a satellite tracking program for computers. Classes being taught by ADØZ at North Jr High School. WBØTIB and WBØMHP are net control stations for Wed nite simplex net. Hammy to Tom Tobiason NØBZ for PPFMA 97 repeater support of public service. Oak KØROL describes a digital S-meter for mobile safety. Doug WBØMHP writes an article on fox hunting and DF antennas, and encourages new hams to join with old for fox hunt. At January board meeting: clean up bylaws, get current on incorporation, WBØMHP to run fox hunt on March 8. Swapfest scheduled for April 27 at Peterson Field. Article by Ray AAØL on building an attenuator.

## CONTESTS

**Winter Field Day - will be held the last weekend in Jan. We will have an event that day at the club station.**

---

## PPRAA Apparel

Both **Silk Screen and Embroidered** (Shirts, T-Shirts, Hats, Badges, etc.), members pay for individual shirts. Embroidered - Club logo = \$7. Call sign and name ordered together = \$7, Call sign or name ordered separately = \$5 each. The number to call to order is: (719) 591-6151. Monograms by Jane.

**Silkscreened** - T-Shirts with a one color left chest logo only no name or call sign: Small thru Xlarge: \$8.75 ea. T-Shirts with one color logo on left and name with call sign on right side: Small thru Xlarge: \$9.60 ea. for XXlarge add \$2.00 per shirt. POC Dick Thompson, WØRAA 719-520-0288

---



# MARC VE EXAMS

(January, March, May, July, September, November)

The Mountain Amateur Radio Club (MARC) VE Team conducts VE exam sessions in Woodland Park every odd month at 10 am on the first Saturday in the Community Meeting Room of the Woodland Park Library, 218 East Midland Avenue. The MARC VE Team is affiliated with the ARRL/VEC and examinations for all classes of license will be offered.

Full information, including driving directions to the Woodland Park Library, is available under “VE Sessions” on the MARC website at <http://www.nx0g.org/ve.html> or contact Wes Wilson (KØHBZ) at [k0hbz@arrl.net](mailto:k0hbz@arrl.net) or call (719) 687-8758.

If attending, please BE SURE to bring the following items to the session:

1. A **valid PHOTO ID**, driver's license preferred (if you do not have a valid photo ID, please call for alternative identification requirements).
  2. Your **SOCIAL SECURITY NUMBER** (now required – this includes children) or **FRN** number.
  3. Your **ORIGINAL** amateur radio license (if any) **AND a PHOTOCOPY** for the VE Team to keep.
  4. The **ORIGINAL** of any relevant **CSCEs** you have **AND a PHOTOCOPY** for the VE Team to keep.
  5. **Cash, Check or Money Order for \$15** (standard ARRL VE Fee). Checks and money orders should be made out to MARC and covers all the different exams you wish to take at the VE session.
- MARC VE Team policy, as with many VE Teams, is to not allow same day retests on failed exams.

For already licensed hams, MARC members should be monitoring the MARC repeater system 146.820- or 448.650- (both 107.2 Hz) if you need help with talk-in. 73 Wes KØHBZ



# PPRAA VE EXAMS

(February, April, June, August October December)

PPRAA VE session will be held at 9 am on the second Saturday of the even months at Colorado Technical University.

Directions to CTU are at the PPRAA website [ppraa.org](http://ppraa.org).

Applicants will need the following items at the session:

1. A **valid PHOTO ID**, driver's license preferred (if you do not have a valid photo ID, please call for alternative identification requirements).
2. Your **SOCIAL SECURITY NUMBER** (now required – this includes children) or **FRN** number.
3. Your **ORIGINAL** amateur radio license (if any) **AND** a **PHOTOCOPY** for the VE Team to keep.
4. The **ORIGINAL** of any relevant **CSCEs** you have **AND** a **PHOTOCOPY** for the VE Team to keep.
5. **Cash, Check or Money Order for \$15** (standard ARRL VE Fee). Checks and money orders should be made out to ARRL and covers all the different exams you wish to take at the VE session.

PPRAA VE Team policy, as with many VE Teams, is to not allow same day retests on failed exams.

Galen Steele AGØA  
PPRAA VE Contact  
719-213-1109

Anyone passing their Technician Class examination at a PPRAA test session will receive a free year's membership to the Pikes Peak Radio Amateur Association.

**Membership Application**  
**Pikes Peak Radio Amateur Association, Inc.**  
**P.O. Box 16521, Colorado Springs, Colorado 80935**

Date: \_\_\_\_\_  New Membership  Renewal

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Call: \_\_\_\_\_ License Class: \_\_\_\_\_ Telephone: \_\_\_\_\_

Are you an ARRL member?  Yes  No

Additional Name: \_\_\_\_\_ Call \_\_\_\_\_ Class \_\_\_\_\_ ARRL member?  Yes  No

Additional Name: \_\_\_\_\_ Call \_\_\_\_\_ Class \_\_\_\_\_ ARRL member?  Yes  No

Additional Name: \_\_\_\_\_ Call \_\_\_\_\_ Class \_\_\_\_\_ ARRL member?  Yes  No

E-mail address: \_\_\_\_\_

Full Member - \$15.00

Full Member over 65 - \$10.00

Free - VE Signature Required:

Family Membership (same address) - \$18.00

Family Membership (both over 65) - \$12.00

---

**Pikes Peak Radio Amateur Association, Inc.**  
**P.O. Box 16521**  
**Colorado Springs, CO 80935-6521 USA**

**To:**