



VOLUME 63 ISSUE 9

September 2013

ARRL AFFILIATED-SPECIAL SERVICE CLUB



Are you really supporting the club?

When was the last time we had a new board of directors and board members? The club has existed for a very long time due to club members stepping up and leading this organization in new and exciting directions. Where did this voluntarism go? In October we will have the opportunity to elect new officers and board. Won't you be one of the new leaders and raise your hand and say ***I VOLUNTEER!***

Monthly Ham Breakfast

LOCATION

The Bistro / North End Diner

1228 E Fillmore

Saturday, 7 September 2013

Time is from 8:00-9:30 AM

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

September PPRAA Club Meeting

The September 11th 7 pm club meeting will be at the IHop on Stetson Hills Blvd (just west of Powers Blvd). 5749 Stetson Hills Blvd.



PPRAA Club Officers

President	Mike Derbort	KCØELG
Vice President		
Secretary	Diana Nordstrom	KCØNPP
Treasurer	Pam Scott	WØPRS
Board	Tom Brereton	WØTOM
Board	Doug Neilsen	N7LEM
Board	Jim Bishop	KDØKQL
Board	Virgil Yost	NØXRS
Board	Kerrienne Dixon	KDØIPR
Board	Jim Rader	KDØNQM
Ø-Beat Editor	Mike Anderson	WV7T

All officers can be contacted at:

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.

Elections in October!

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.



ARRL Incoming QSL Bureaus

www.arrl.org/incoming-qsl-service

ARRL Outgoing QSL Bureaus

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.

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

Events In Colorado

COQP

2013 Colorado QSO Party

1200 UTC 31 August 2013 until 0400 UTC 1 September 2013 (6AM to 10PM MDT)

From the annals of PPRAA history PPRAA October 1983

Thirty-five members were present at the August meeting. The club submitted the ARRL Special Services Club application to the ARRL representative Darla Richardson in Denver. Coffee funds are low, so all members are asked to contribute 25 cents for coffee or donuts. Novice classes are scheduled to begin on September 20. Hammy is missing! Anyone know where it is? The club decided to continue to meet at the Palmer House Motel despite the increase costs to \$20 per meeting. Dave NØDV is looking for volunteers for the Woodland Park Enduro on Sept 18, and Don KBØKQ is looking for help at the Academy Run on Sept. 10. Charlie and Oak gave a good presentation on amateur TV at the August meeting. Carl Smith ARRL vice president; Lys Carey, Rocky Mountain Division Director; and Marshall Quiat, Vice Director, will be at the September meeting to give a program on a variety of subjects. Due to lack of interest in the Woodland Park Enduro, the club asked the Mountain ARC to support it this year. Les KCØNC is coordinating the Balloon Classic this year.

GETTING AN HF ANTENNA TO WORK 4

Last time there was information about inductors, one component of a resonant circuit. Now capacitance, the other component will be described. A capacitor is made of 2 metal surfaces parallel to each other in close proximity, but not making electrical contact. The larger the surface area of the metal, the higher the value of the capacitor. When we energize a capacitor by putting an alternating current across each plate, a static charge develops, + on one side and - on the other. This starts current flowing much like a

battery. When the current reverses, the current flow does also. There is no current flowing through the capacitor because it is highly insulated. It is like a miracle except we can make this happen any time we want. Since the capacitor has a very high resistance between the plates, it offers a resistance to the Alternating current we apply to it. This resistance is called "CAPACITIVE REACTANCE" or XC. Like inductive reactance it also is measured in ohms like a resister. As the frequency applied increases, the capacitive reactance or resistance decreases and vice versa. It reacts opposite to an inductor. A capacitor is rated in Farads. Given this value it can be looked up on a reactance chart and the resistance can be determined for any frequency. Capacitors not only come with a Farad value, but also with a maximum voltage rating. If exceeded the capacitor can be ruined. Therefore, as frequency increases to the capacitor, the reactance decreases. With an inductor, as frequency increases, reactance increases. One is decreasing while the other is increasing. When the 2 are in the same circuit, at some special point in frequency the 2 reactances will be the same or equal. Then a wonderful thing happens - RESONANCE!

Next article we will see more how this works and how it applies to your antenna.

73, Ralph WDØEJA

If you have questions about the articles feel free to contact me.

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CONTESTS

September 2013

September 2013

± Tennessee QSO Party

± MI QRP Labor Day CW Sprint

± ARS Spartan Sprint

± NRAU 10m Activity Contest

± QRP Fox Hunt

± NCCC RTTY Sprint Ladder

1800Z, Sep 1 to 0300Z, Sep 2

2300Z, Sep 2 to 0300Z, Sep 3

0100Z-0300Z, Sep 3

1700Z-1800Z, Sep 5 (CW) and
1800Z-1900Z, Sep 5 (SSB) and
1900Z-2000Z, Sep 5 (FM) and
2000Z-2100Z, Sep 5 (Dig)

0100Z-0230Z, Sep 6

0130Z-0200Z, Sep 6

± PODXS 070 Club Jay Hudak Memorial 80m Sprint	2000 local, Sep 6 to 0200 local, Sep 7
± G3ZQS Memorial Straight Key Contest	2300Z, Sep 6 to 2300Z, Sep 8
± Russian RTTY WW Contest	0000Z-2400Z, Sep 7
± All Asian DX Contest, Phone	0000Z, Sep 7 to 2400Z, Sep 8
± Wake-Up! QRP Sprint	0600Z-0629Z, Sep 7 and 0630Z-0659Z, Sep 7 and 0700Z-0729Z, Sep 7 and 0730Z-0800Z, Sep 7
± SKCC Weekend Sprintathon	1200Z, Sep 7 to 2400Z, Sep 8
± IARU Region 1 Field Day, SSB	1300Z, Sep 7 to 1259Z, Sep 8
± AGCW Straight Key Party	1300Z-1600Z, Sep 7
± RSGB SSB Field Day	1300Z, Sep 7 to 1300Z, Sep 8
± Ohio State Parks on the Air	1600Z-2400Z, Sep 7
± QCWA Fall QSO Party	1800Z, Sep 7 to 1800Z, Sep 8
± North American Sprint, CW	0000Z-0400Z, Sep 8
± DARC 10-Meter Digital Contest	1100Z-1700Z, Sep 8
± Swiss HTC QRP Sprint	1300Z-1900Z, Sep 8
± CWops Mini-CWT Test	1300Z-1400Z, Sep 11 and 1900Z-2000Z, Sep 11 and 0300Z-0400Z, Sep 12
± NAQCC-EU Monthly Sprint	1800Z-2000Z, Sep 11
± FISTS Get Your Feet Wet Weekend	0000Z, Sep 13 to 2400Z, Sep 15
± QRP Fox Hunt	0100Z-0230Z, Sep 13
± NCCC RTTY Sprint Ladder	0130Z-0200Z, Sep 13
± WAE DX Contest, SSB	0000Z, Sep 14 to 2359Z, Sep 15
± Kulikovo Polye Contest	0000Z-2359Z, Sep 14
± FOC QSO Party	0000Z-2359Z, Sep 14

± CIS DX QPSK63 Contest	1200Z, Sep 14 to 1200Z, Sep 15
± Arkansas QSO Party	1400Z, Sep 14 to 0200Z, Sep 15
± ARRL September VHF Contest	1800Z, Sep 14 to 0300Z, Sep 16
± North American Sprint, SSB	0000Z-0400Z, Sep 15
± WAB 144 MHz QRO Phone	1000Z-1400Z, Sep 15
± Run for the Bacon QRP Contest	0100Z-0300Z, Sep 16
± NAQCC Straight Key/Bug Sprint	0030Z-0230Z, Sep 19
± NCCC RTTY Sprint Ladder	0130Z-0200Z, Sep 20
± ARRL 10 GHz and Up Contest	0600 local, Sep 21 to 2400 local, Sep 22
± SARL VHF/UHF Analogue/Digital Contest	1000Z, Sep 21 to 1000Z, Sep 22
± Scandinavian Activity Contest, CW	1200Z, Sep 21 to 1200Z, Sep 22
± SRT HF Contest SSB	1300Z, Sep 21 to 1300Z, Sep 22
± South Carolina QSO Party	1400Z, Sep 21 to 0300Z, Sep 22
± QRP Afield	1500Z, Sep 21 to 0300Z, Sep 22
± Feld Hell Sprint	1600Z-1800Z, Sep 21
± Washington State Salmon Run	1600Z, Sep 21 to 0700Z, Sep 22 and 1600Z-2400Z, Sep 22
± BARTG Sprint 75	1700Z-2100Z, Sep 22
± SKCC Sprint	0000Z-0200Z, Sep 25
± CWops Mini-CWT Test	1300Z-1400Z, Sep 25 and 1900Z-2000Z, Sep 25 and 0300Z-0400Z, Sep 26
± NCCC RTTY Sprint Ladder	0130Z-0200Z, Sep 27
± CQ Worldwide DX Contest, RTTY	0000Z, Sep 28 to 2400Z, Sep 29
± ARRL EME Contest	0000Z, Sep 28 to 2359Z, Sep 29

± AGCW VHF/UHF Contest

1400Z-1700Z, Sep 28 (144) and
1700Z-1800Z, Sep 28 (432)

± Texas QSO Party

1400Z, Sep 28 to 0200Z, Sep 29 and
1400Z-2000Z, Sep 29



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 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.

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.

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 and see it in Dits and Bits.

Also, visit the PPRAA Forum's online Ditz and Bitz at www.ppraa.forumotion.net !!

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: