

**PIKES PEAK
RADIO AMATEUR
ASSOCIATION
(PPRAA)**

Activities/Meetings

- The March 5th HAM breakfast will be at: Big Train, 3050 N Nevada Ave. Join us anytime between 8:00-9:30 AM. All are warmly invited.
- PPRAA Board Meeting Mon, March 7th
- PPRAA Club Meeting, Wednesday, March 9th IHOP 5749 Stetson Hills Blvd
- 10 Meter/2 Meter net Every Thursday 7:00 pm 28.390 MHz—USB 144.200 MHz-USB
- Megafest July 9th Lewis Palmer HS Monument, CO

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Ø-BEAT



Volume 66 Issue 03

March 2016

March Past

March 1980:

- *Article on coping with RFI in stereo equipment by Ray AAØL.*
- *Hams in COS will work with hams in CA to provide morale & welfare messages for troops in an exercise at Ft Irwin.*
- *PPFMA will handle the food concession for the upcoming swapfest.*
- *Plans for an exhibit at the Mall of the Bluffs for May.*
- *Noise problem on the PPFMA 97 repeater partially reduced by covering antenna with a radome.*
- *Oak KØROL volunteered to be club historian for sorely needed archives. Not sure if this is the first time for a historian.*
- *Door prizes at May swapfest will be Tektronix and HP scopes, and VTVM.*

March 1981:

- *Fifty-six members attended the February meeting.*
 - *The swapfest will be on April 12 at Peterson AFB, hangar #8. The club has to provide people to direct traffic at the site.*
 - *Oak KØROL announced the CCARC is ten years old this year. Its first meeting was on Oct 24, 1970 in Denver. Its purpose is to coordinate club activities in Colorado. Larry Steimel WØACD is the current chairman. The CCARC is publishing new call sign directories this year for \$4.*
 - *The club is planning to provide communications for the*
- ◇ *Sweet Adelines convention,*

- ◇ *Walk for Mankind,*
- ◇ *Black Forest Outhouse Race,*
- ◇ *SpringSpree,*
- ◇ *GT 10 mile run.*
- *Bill and Marilyn KAØGIT will begin working on the paperwork to get the club a tax exemption number.*

March 1982:

- *Spring Novice class will start in mid-March at North Jr. High at 7:30.*
- *Al ADØZ reports the hamfest this year will be on April 18, with a backup date of April 25. Tables will cost \$5. Greg will write the letter requesting the hangar at Peterson Field.*
- *The PPRAA will resurrect the club net on 10 meters instead of 2 meters. Meet on 28.845 MHz and 146.52 MHz; Novices can monitor on 28.125 MHz. Still need to work out the details.*
- *Greg KAØFOZ gave the program on radio astronomy.*
- *Membership dues remain at \$12 for single, \$15 for family.*
- *Irvin Ebel WØKWV passed away this month. Irv was a strong supporter of the club.*
- *Dave NØDV writes a short article on ham radio education, and all the benefits in geography, science and math. And it's fun!*
- *Fox hunt on March 13.*
- *The board passed a motion to clean the club's typewriter and reimburse Don*

Hiram Percy Maxim

The club put together two special event stations to highlight the 80th anniversary of Hiram Percy Maxim's death. One special event station was operated from the PPRAA club station in Ellicott, the second station operated from La Junta, CO.

Raleigh, N4HYF ("the Pres") said that the trip to La Junta was a success. Although a bunch of contacts

were made, we were overwhelmed with interviews from local dignitaries including the city manager with several other city officials. The local newspaper wanted interviews and pictures as well. The La Junta amateur club was in attendance for most of the afternoon and helping us with take down.



PPRAA Officers and Board of Directors

PPRAA Board of Directors consists of four elected officers, seven board members, as well as the past president (time limit dependent). The Ø-Beat editor is a board appointed position and is also a member of the board.

Officers include:

- ⇒ President
- ⇒ Vice-President
- ⇒ Secretary
- ⇒ Treasurer

To send board member's email, browse to the officers section of our website: <http://ppraa.org/about-ppraa/officers>

President	Raleigh Holcomb	N4HYF
Vide-President	Rich Milligan	ADØNP
Secretary	John Wishart	NGØI
Treasurer	Pam Scott	WØPRS
Board Member	John Bloodgood	KDØSFY
Board Member	Glenn Brodt	N3ULW
Board Member	Frank Roger	KB3PDT
Board Member	Jim Rader	KDØNQM
Board Member	Jim Bishop	KDØKQL
Board Member	Virgil Yost	NØXRS
Board Member	Mike Anderson	WV7T
Ø-Beat Editor	Dan Scott	WØRO
Webmaster	Doug Nielsen	N7LEM

Online Resources

PPRAA Website

<http://ppraa.org>

The PPRAA website is the cornerstone for club related information, events, and technical information.

In addition you can register, pay dues, and submit donations. Donations to the PPRAA college scholarship fund are managed by FAR Scholarship Committee

Facebook / Google+

Follow activities as they unfold, or get reminders of upcoming events.

Links to both Facebook and Google+ social media sites can be found on the PPRAA.org.

Or from each social media site search on: Pikes Peak Radio Amateur Association.

PPRAA Forums

The PPRAA forums are intended to allow users to exchange ideas, ask and answer amateur radio related questions, and plan/discuss upcoming events.

This is a fantastic, but underutilized, tool. Check it out and register at:

PPRAA.Forumotion.net

Monthly Activities

Membership Meeting

Held the 2nd Wednesday of the month starting at 7:00.

IHOP
5749 Stetson Hills Blvd
(Just west of Powers Blvd)

NOTE: Many show up at 6 pm for kibitzing and grub.

Board Meeting

IHOP
5749 Stetson Hills Blvd
Colorado Springs, CO 80906

6:30pm—8:00pm
On the Monday preceding the membership meeting.

Board Meetings are open to all members.

Ham Breakfast

Location changes monthly: Check ppraa.org or table of contents, page I for the breakfast meeting location.

10 Meter/2 Meter Net

Every Thursday at 7pm
Starts on 28.390 USB then transitions to 2 Meter SSB at 144.200 USB.



Geocaching and Ham Radio

So, what is Geocaching?

ge ɒ ˈtʃæ ʃɪŋ (ˈjēō,kaSHiNG/)
noun

The recreational activity of hunting for and finding a hidden object by means of GPS coordinates posted on a website.

Well... there may be a catch to the "GPS coordinates posted on a website" part. Some geocaches are puzzle "caches" and require you to use the clues given in the geocaching description to derive the coordinates. The finding part is a bit sketchy too!

There are HAM radio oriented schemes for hiding puzzle caches. Morse Code seems to be a favorite. The second favorite is the method used in this cache description found on

www.geocaching.com.

Can you determine the coordinates?

"Geocache Description:

Finally found a way to combine my two favorite hobbies, amateur (ham) radio and geocaching. And you don't need a ham license to find this geocache.

Obviously, the cache is not at the posted coordinates. The location of the geocache is being reported by my portable amateur radio transmitter, NT6T-2, to nearby repeater stations. A ham radio system called the "Automatic Position Reporting System" (APRS) forwards this position to the Internet for all to see, including geocachers. Please visit the following URL to find where the geocache is hidden: ([visit link](#))

Use the "map view" or "show map" for best detail.

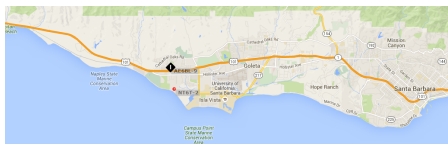
The geocache is well hidden and is camouflaged to

blend with the surrounding area. The cache contains a log, pencil, and nice swag.

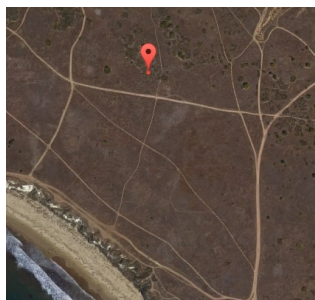
Please take the time to replace the cache container exactly as found so as not to make it too easy for the next geocacher. Thank you!"

Did you find the location? I think this is kind of a neat way to introduce people to amateur radio.

From the APRS.fi site you can easily get the exact coordinates (hint: in the right hand column). The map there does a good job of pin pointing the location:



But, dropping the cords into Google Earth and you feel like you are about there!



73, Dan—W0RO

2016 Colorado hamfests and convention calendar

A hamfest is a meeting of people interested in Amateur Radio. Hamfests offer exhibits, forums, and fleamarkets for Amateur Radio operators or "hams."

To locate an upcoming hamfest you can use the ARRL Hamfest and Convention Database [search engine](http://www.arrl.org/hamfests-and-conventions-calendar) (<http://www.arrl.org/hamfests-and-conventions-calendar>)

A recent search for the 2016 Colorado hamfests and conventions found the following:

- 03/26/2016 LARCFest (Longmont @ Boulder Co. Fairgrounds); Longmont ARC
- May 13-15 HamCon Colorado (Keystone, CO)
- 06/04/2016 MARC Tailgate Party (Delta, CO); Montrose ARC
- 07/09/2016 PPRAA MegaFest (Monument @Lewis/Palmer HS);
- 08/21/2016 Denver Radio Club HamFest (Golden @JeffCo Fairgrounds)



PPRAA Board Meeting Minutes—08 Febuary 2016

Present: Raleigh Holcomb, Mike Anderson, John Wishart, Jim Rader, Virgil Yost, Jim Bishop, Glenn Brort, Rich Milligan, Frank Rogers, Pam & Dan Scott

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

Silent Keys: None

December minutes were approved as published. Passed.

Treasurer's Report

No report was available tonight.

Committee Reports

Megafest

Raffle tickets are printed available. Raffle prizes have been bought. The event will be July 9 at LPHS. Please send out flyer to previous table purchasers. \$160 worth of raffle tickets sold already. We now can take payments via PayPal. Dan moved/seconded to create \$10 certificates that can be given out at other hamfests as door prizes. The value may be redeemed for purchases at our Megafest. Passed. Pam also suggested that we recruit additional members to take on the task of acquiring door prizes.

Hiram Percy Maxim Commemorative Special Event

This will be held in La Junta on Wed, Feb 17, to commemorate the sudden passing of HPM there. Dan Martin is heading this up. In addition, another event will be held at the same time at our club station in Ellicott. Mike Anderson will organize this part of the event. He would like the logs to be combined.

Club Station

We have some extra parts stored out at Ellicott that we need to dispose of. Tower parts, propane tanks, and solar panels are deemed surplus to our needs. We will auction off the three solar panels at the Megafest to raise money for the scholarship fund.

Jim Rader has found a source for deep cycle batteries are available at \$108 each. It was moved and seconded to purchase two deep

cycle batteries for the club station at \$108 each. Passed. Cores are needed to trade in at the time of purchase.

Hamcom

Registration is open for the event at the Keystone resort, May 13-15.

Membership Cards

Mike Anderson is getting together a design for PPRAA membership cards.

Dan Martin has missed more than two board meetings, so he will be dropped from the board per our bylaws.

John Bloodgood was appointed as the replacement board member.

New Business

None.

Around the Table

Jim Bishop - trailer skirting has been installed on two sides of the trailer. A new step is also being built.

Jim Rader - would like to provide a table at no charge to Alpha Antennas from (43' vertical supplier). Approved. Would also provide free tables to RT Systems and CMRG.

Rich Milligan - what other items are available out at the club station? Towers and antennas, air compressors. Virgil has the list of items that are available.

Virgil Yost - noted that his cousin has marble knickknacks available.

John Bloodgood - ARES events coming up. City evacuation exercise in June. Skywarn training is coming up soon. Check on the Pueblo weather service website. There have been interference problems on the 146.97 MHz repeater. We need help on locating the interfering stations and/or individuals.

Next Board meeting: Monday, 7 March 2016, 6:30PM at the IHOP at Powers & Stetson Hills.

The meeting was adjourned at 7:53 PM.

Respectfully submitted,
John Wishart NGØI
PPRAA Secretary
24 February 2016

PPRAA General Meeting Minutes—10 Febuary 2016

The meeting was called to order at 7:00 PM by President Raleigh Holcomb at the IHOP Restaurant on Stetson Hills near Powers Blvd. Approximately 33 members and guests were present.

Silent Keys: None

Treasurer's Report

Pam reported that we have \$9551 in our bank account as of 31 January 2016.

Special Event

We will have a special event in La Junta (Santa Fe Plaza), a commemorative operating event on Wed, Feb 17, 8AM, commemorating the 80th anniversary of the death of Hiram Percy Maxim who died suddenly in La Junta. Volunteers will be needed to support this. We will also have similar event at the Ellicott club station, 9AM.

Club Station

Three surplus solar panels will be auctioned off at the Megafest.

Hamcon

See hamconcolorado.com for info.

Membership Cards

Mike Anderson is working on a design for these cards.

Awards

Mike Anderson will print up an award certificate for any legitimate award. Just provide your electronic log to Mike.

Winter Field Day

Jim Bishop noted that skirts were added to the club station trailer that day.

Licensing/Education

Mike Anderson has one student for general class and two code students.

Megafest

The event is scheduled for Saturday, July 9, at Lewis-Palmer High School. We have some great raffle prizes. Tables and raffle tickets are now available for purchase.

ARES Report

John Bloodgood reported on ARES activities, including a MARS exercise. Other upcoming

events include the Falcon 50, Skywarn training, Skysox Emergency Preparedness Day, and an evacuation exercise.

Interference Problems

Interfering stations have been heard on the 146.97 and Cheyenne Mountain repeaters. We need some help in locating these stations so enforcement action can be taken.

The Amateur Radio Parity Act is still in play.

Hamcon

Flyers & registration for this event are now available. It will be held May 13-15 at the Keystone Resort.

ARES

John Bloodgood reported on upcoming ARES events, including the Falcon 50, PPHC, and others. Volunteers are still needed to support these events.

Program

John Bloodgood presented an informative program on APRS.

Millennial Electronics will have a grand opening on Saturday morning, Feb 27.

Upcoming Events

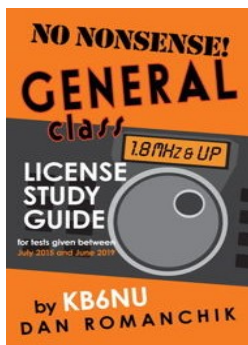
Next Board Meeting: 6:30PM, Monday, 7 March 2016, at IHOP Restaurant at Powers & Stetson Hills.

Next PPRAA regular meeting: 7PM, Wednesday, 9 March 2016, also at the IHOP Restaurant.

The meeting was adjourned at 8:37 PM.

Respectfully submitted,
John Wishart NGØI
PPRAA Secretary
24 February 2016





Updated for the General Class question pool soon taking effect

By: Dan KB6NU

“... Blab is an interesting concept. It’s kind of like an interactive podcast. ...”

Social Media and Ham Radio

By: Dan Romanchik, KB6NU

In the last ten years, there's been an explosion in social media. I've found some to be really great. Others, I haven't found to be to my liking. Here are my opinions on a few of the most popular social media websites:

* Twitter (twitter.com). I like Twitter. I have more than 3,000 followers on Twitter, and it's not only helped me sell more books, I've found out about a lot of great projects, and I've met and corresponded with a lot of great hams there. It's a lot of fun. If you have a Twitter account, follow me there. I'm @kb6nu.

* Facebook (facebook.com). I have a Facebook account and I even have a page for my study guides. I don't like using Facebook, though, and avoid it when I can.

* Reddit (reddit.com/r/amateurradio). Reddit hosts a

very active amateur radio forum. What I like about Reddit is that these guys, unlike say the forums on eHam.Net or QRZ.Com are really interested in doing stuff, not just complaining or arguing. A lot of the hams on Reddit, and it's associated IRC channel (talk about retro!), #redditnet, have used my study guides, and apparently, I'm quite popular there.

* Blab (blab.im). Blab is an interesting concept. It's kind of like an interactive podcast. You can record the blab sessions and then post them to YouTube or your own website. When I suggested having a regular Blab session to talk about ham radio topics to my blog readers, they weren't very enthusiastic about it. Even so, I think that I'm just going to do it. Sometimes you just gotta go with your gut, and my gut says this could be fun and eventually popular. Blab is integrated with Twitter, so if you follow me on Twitter, you'll find out when I'm blabbing.

The biggest problem with participating on these social networks, of course, is that it takes a lot of time, time that could be used for building stuff or getting on the air. Even so, I would say that, overall, using them has certainly increased my enjoyment of amateur radio and has connected me to people that I probably would not have connected with otherwise.

What do you think? What social media accounts do you have? Which do you prefer? What have they done for you?

When he's not blabbing or tweeting, KB6NU likes to work CW, build stuff, and teach ham radio classes. He's also a prolific blogger (www.kb6nu.com) and the author of the "No Nonsense" amateur radio license study guides (www.kb6nu.com/study-guides). If you have any comments, questions, compliments, or complaints, email him at cwgeek@kb6nu.com.

FCC Petition—Lifetime Licensing

The FCC is seeking comments on a Petition for Rule Making (RM 11760) that asks the FCC to grant lifetime Amateur Radio licenses. Mark F. Krotz, N7MK, of Mesa, Arizona, filed his request with the FCC last November. He wants the FCC to revise Part 97.25 of its rules to indicate that Amateur Radio licenses are granted for the holder's lifetime, instead of for the current 10 year term. Krotz noted that the General Radiotelephone Operator License (GROL) already is issued on a lifetime basis, and he

maintained that not having to renew licenses would lighten the FCC's workload.

"It would be mutually beneficial for the FCC and Amateur Radio operators to update Part 97 to grant operator licenses for lifetime, Krotz said in his filing. "The FCC would benefit by reducing administrative costs."

In 2014 the FCC granted lifetime credit for examination elements 3 and 4, but applicants seeking relicensing under that provision

still must pass examination element 2.

I have seen comments that have gone both ways. My favorite comment is by Dan, KB6NU where he suggests a 5 year renewal for Tech, 10 year for General, and life for Extra.

Individuals may submit comments via the FCC's Electronic Comment Filing System (ECFS) (<http://apps.fcc.gov/ecfs/proceeding/view?name=RM-11760>).

ARRL National Parks on the Air—Call ahead

When planning a National Parks On the Air (NPOTA) expedition, planning is essential. One key element to planning is determining if your operation will be welcome at the park. Each park is governed differently, so will vary in how well, or if, they will accommodate you.

If you are strictly operating mobile, staying in a camp site, or parking lot for an extended time, you may want to make a curtsey call to the park that you plan to be in their parking are for an extended period. You may also ask if they are aware of other planned operations at the same time.

If you are planning on setting up antenna masts be sure to ask if you need to have a special use permit. A common theme at all the state and national parks is "Don't touch my trees". Bring your own masts and stakes for any needed guy wires.

Steve, KD0DX is planning to activate Sand Creed Massacre Historical Site. As part of Steve's planning he contacted

the park and quickly got his expedition arranged. As a courtesy Steve sent the following to the PPRAA reflector:

"to PPRAA

I wanted to pass on the below information in case anyone from PPRAA wanted to activate the Sand Creek Massacre Historical Site this year. As noted below the two big things to take away is that a Special Use Permit has to be issued before any operation can be conducted. You can request the form by sending a request to

Shawn Gillette (shawn_g_gillette@nps.gov), also please note that the site is restricting the operation to only 2 people and the Special Use Permit fee is waived. If more than two people are going to set up and operate you will have to pay the \$25.00 for the Special Use Permit. In talking to Shawn on the phone there are trees in the area but they do not want any wires in the trees or anything attached to the trees. The only thing that should be in the trees are the birds.

Please, if you do go out there and operate remember you are a representative of the ham radio community. What you do while

out there will either make it easy or harder for the next person."

In this case, the park wants the activity conducted under a Special Use Permit. All this permit does is formally acknowledge your request while stipulating the park rules/regulation. There is normally processing fee, but that can be waived at the discretion of the park's leadership. In Steve's case they waived the fee.

To find the contact information for the park you wish to activate, use the ARRL.org web site. Select "National Parks on the Air", and then select "NPS Units" which takes you here (<https://npota.arrl.org/nps-units.php>). By browsing to the selected park you will see a section on the left side called "Park Tools" where you can select "Contact Us".

Hope to hear your NPOTA operation soon!



Massacre Mistrust and Misery

"...take away is that a Special Use Permit has to be issued before any operation can be conducted..."

Colorado QSO Party—COQP

It's time to start planning for the Colorado QSO party (COQP).

The COQP is held, Saturday, Labor Day weekend. This year make it a dual event for COQP and NPOTA. Throw in a rare county and you're set for a pile-up.

No matter if you are setting up in a state park or national park the procedure is the same.

Contact the park for permission and possibly fill out the special use permit. When setting up and operating be courteous, and have fun. Also, fellow campers will ask a lot of questions, so expect that too!

Plan on only using your own masts and guying stakes. Never plan on using trees for any part of your setup.

To find NPOTA qualified parks

see the above article. To find rare counties browse [here: http://ppraa.org/downloads/coqp/CO%20Counties%202-2.pdf](http://ppraa.org/downloads/coqp/CO%20Counties%202-2.pdf)

You can find Colorado State parks [here: http://cpw.state.co.us/placetogo/parks/Pages/ParkMap.aspx](http://cpw.state.co.us/placetogo/parks/Pages/ParkMap.aspx)

"...This year make it a dual event for COQP and NPOTA..."



VE Testing & Education—Colorado Springs (PPRAA)

Pikes Peak Radio Amateur Association (PPRAA)

When:

Feb, Apr, Jun, Aug, Oct, Dec
2nd Saturday at 9 AM

Location:

Rawhide Realty
7075 Campus Drive
Colorado Springs, CO 80920

Directions available at:

ppraa.org/ve-testing

or contact:

Dennis Major

VE@PPRAA.org

Mike Anderson, WV7T does personal and small group training for all license classes.

Mike also does Morse code training.

Mike can be reached at:

719-229-8610

wv7t@aol.com



VE Testing Woodland Park (MARC)

MOUNTAIN AMATEUR RADIO CLUB (MARC)

When:

Jan, Mar, May, Jul, Sep, Nov
1st Saturday at 10 AM

Location:

Woodland Park
Woodland Park Library-
Community Meeting RM
218 East Midland Avenue

Directions:

<http://www.nx0g.org/ve.html>

or contact

Wes Wilson (KØHBZ)

k0hbz@arrl.net

Call (719) 687-8758



Applicants will need the following items:

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 FRN or SOCIAL SECURITY NUMBER (now required – this includes children).
 3. Your CURRENT ORIGINAL amateur radio license (if any) and a PHOTOCOPY for the VE Team to keep.
 4. The CURRENT ORIGINAL 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. This covers all exams you wish to take at this VE session.
- Teams, is to not allow same day retests on failed exams.
- PPRAA – Colorado Springs testing only:**
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
- NOTE: PPRAA and MARC VE Team policy, as with many VE**



Pikes Peak Radio Amateur Association, Inc.



PPRAA HAM RADIO MEGAFEST



Saturday, July 9th, 2016



8 AM to 1 PM Lewis-Palmer High School
1300 Higby Rd., Monument, CO 80132; East of I-25, Exit 158 or 161
Vendor Setup at 6 AM — Raffle Ticket Sales Open at 7:30 AM
Talk In: 146.970 MHz (-) 100 Hz Tone



Great Raffle Prizes!

One Raffle Ticket Included with Admission
Additional Tickets: \$1 Each, 6 for \$5, 15 for \$10, 40 for \$20

Drawing at Noon, July 9th, 2016.
Raffle prize winners need not be present to win.

Yaesu FT-991 HF Base radio

with programming software from RT Systems

ICOM ID-51A DSTAR HT

donated by CMRG
with programming software from RT Systems

Icom IC2730A mobile

with programming software from RT Systems

Rig Expert AA54 antenna analyzer

MFJ 993 BRT remote antenna tuner

Alpha S9v43 fiberglass vertical antenna

Yaesu FT-60R 2meter/70cm HT

with programming software from RT Systems

Diamond X50A 2m/70cm 6' antenna

Pikes Peak Radio Amateur Association, Inc.
PO Box 16521, Colorado Springs, CO 80935
Raffle License # 2016-10609

Scheduled Activities:

- License Testing at 10 AM
- Hourly Door Prizes
- Door prize winners must be present to win

Many thanks to our sponsors:

Cheyenne Mountain Repeater Group

Ham Radio Outlet

RT Systems

Rocky Mountain Ham Radio

Contact info:

Megafest@ppraa.org
<http://ppraa.org/megafest>

6-foot Table Rental

Early Bird (before April 30): \$12

In Advance (April 30 – July 1st): \$15

Last Minute - after July 1st: \$17

Rental Does NOT Include Admission - \$5.00 per person

One chair provided with each table

Packets will be ready at the door at 6:00 AM.

No Friday night setup available

Early Bird Table Reservation Form Postmarked and Paid by April 30**In-Advance Table Reservation Form Postmarked and Paid By July 1st**

Name _____

Address _____

City _____ St _____ ZIP _____

Phone (____) _____ Call Sign _____

Email _____

☐ I would like AC power at my table (limited availability)

Number of Tables: _____ @ \$12/\$15/\$17 each = \$ _____

Admission Tickets: _____ @ \$5 each = \$ _____

Total Enclosed: \$ _____

☐ Check box for registration confirmation via email**Make checks payable to PPRAA****Mail completed form and payment to:**

PPRAA, PO Box 16521, Colorado Springs, CO 80935

Or signup online at <http://ppraa.org/megafest> and pay with PayPal



*Only Two Months
Left for Advanced
Registration...*

HamCon Colorado 2016

Advanced Registration runs now through April 29th. Banquet seating will not be available at-the-door due to our need to make meal commitments prior to the event. Register now at www.hamconcolorado.org for:

- ✓ Forums
- ✓ Banquet Reservations:
Fri Keynote, Sat Lunch, Sat Banquet, Sun Breakfast
All w/ Nationally Known Speakers
- ✓ QLF / Pileup Contests
- ✓ Wouff Hong
- ✓ Prizes!

HamCon Colorado 2016

May 13-15, 2016

At Beautiful Keystone Conference Center
Keystone, CO

**PIKES PEAK RADIO
AMATEUR
ASSOCIATION**

Send membership application to:

Pikes Peak Radio Amateur PO
Box 16521
Colorado Springs, CO
80935-6521

General Questions:
ppraa@ppraa.org

ØBeat:
zerobeat@ppraa.org



ppraa.org

Get Radio Active, get on the air!

Membership Application:

Date: ____ / ____ / ____ **New Membership: Yes / No**

Name: _____

Address: _____

City/State/Zip: _____

Call: _____ **Class:** ____ **Phone # (____)** _____

Email: _____

Are you a ARRL member: Yes / No

Additional Family Members:

Name1: _____ **Call:** _____ **Class:** ____ **ARRL Member: Yes / No**

Name2: _____ **Call:** _____ **Class:** ____ **ARRL Member: Yes / No**

Name3: _____ **Call:** _____ **Class:** ____ **ARRL Member: Yes / No**

____ \$15.00 Full Member

____ \$10.00 Full Member over 65

____ \$18.00 Family Membership

____ \$12.00 Family Membership over 65

\$____ **Membership Amount**

\$____ **Scholarship Fund Donation**

\$____ **PPRAA General Fund Donation**

\$____ **Total**

2015 Scholarship Fund

This last year the donations to PPRAA Scholarship Fund have been slipping.

The scholarship is for a hard science or math related field of study. Those fields of study are, or are similar to, Physics, Chemistry, Math, Electrical Engineering, Bio Engineering, etc.

There are many ways to make your tax deductible donation to this fund. Contributions may be made via:

⇒ [PPRAA website \(http://ppraa.org\)](http://ppraa.org)

⇒ Part of your membership renewal,

⇒ Club meetings and event.

⇒ Directly to the fund at:
FAR Scholarship Committee
P.O. Box 911
Columbia, MD 21044

**Make checks to:
PPRAA Scholarship**

Ø- Beat Banner

This photograph of Pikes Peak from Fountain, CO was taken by Dan W0RO, Feb 28th 2016.

The theme of the banner is Pikes Peak Region which include PPRAA activities.

If you would like to submit pictures for the Ø-Beat banner, please send them to:
zerobeat@ppraa.org

Please Include "[Ø-beat]" as part of the subject line.