



VOLUME 69 ISSUE 4
April 2018

PPRAA Club Officers

President	<u>Rich, AD0NP</u>
Vice President	<u>Mike Anderson, WV7T</u>
Secretary	<u>Curtis Cookson, W0CEC</u>
Treasurer	<u>James Madsen, K3ILC</u>
Ø-Beat Editor	<u>Jerre Redding, WA0BCM</u>
Webmaster	<u>Douglas Nielsen, N7LEM</u>
Board	<u>John Bloodgood, KD0SFY</u>
Board	<u>Glenn Brodt, N3ULW</u>
Board	<u>Dan Huber, KN0MAP</u>
Board	<u>Frank Rogers, KB3PDT</u>
Board	<u>Jim Rader, KD0NQM*</u>
Board	<u>Jim Bishop, KD0KQL*</u>
Board	<u>Virgil Yost, N0XRS*</u>
Board	<u>Ray U, AA0L</u>

* In final year of 2-year term

All officers can be contacted at: boardmembers@ppraa.org

Club Historian Needed

If you can help with this position, contact a board member or club officer.

Monthly Ham Breakfast



Saturday, May 5, 2018 8-9:30 AM

**Rudy's Little Hideaway
925 S 8th Street Saturday**

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



March PPRAA Club Meeting

The March 14th 7PM club meeting will be at the IHop on Stetson Hills Blvd
(just west of Powers Blvd).

5749 Stetson Hills Blvd.

Upcoming Events

PPRAA Face book

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

Contests and Events

WA7BNM contest calendars link

<http://www.hornucopia.com/contestcal/>

LARC Fest

- Saturday, April 7, 2018 (0900-1500)
- Boulder County Fairgrounds
- Longmont, Colorado
- More info [here.](#)

Museum Ships Weekend Event

- Saturday June 2, and Sunday June 3, 2018
- On Air
- More info [here.](#)

Field Day

- Saturday/Sunday June 23-24, 2018
- Club Station, Ellicott, CO
- More info under Field Day tab above

PPRAA Megafest

- Saturday July 7, 2018
- Lewis-Palmer High School, Monument, CO
- More info under Megafest tab above

Central States VHF Society Conference

- Thursday – Sunday July 26-29, 2018
- Wichita, Kansas
- More info [here.](#)

Denver Radio Club Hamfest

- Sunday, 26 August 2018
- Jefferson County Fairgrounds, Golden, CO
- More info [here.](#)

Colorado QSO Party

- Saturday September 1, 2018

2018 ARRL Rocky Mountain Division Convention

- Friday September 21 thru Sunday September 23, 2018
- Isleta Resort & Casino Convention Center
- More info [here.](#)

JOTA – Jamboree-on-the-Air

- 19-21 October 2018
- More info [here.](#)

TechFest – 2018

- Saturday November 3, 2018
 - More info [here.](#)
-

You shop. Amazon gives.

- Amazon will donate 0.5% of the price of your eligible AmazonSmile purchases to **Pikes Peak Radio Amateur Association** whenever you shop on AmazonSmile. You can select a different charitable organization after signing in.
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<https://smile.amazon.com/ch/84-1476913>

*FCC Opens 640 and 2200 Meter bands. Stations
Must notify UTC before operating.*

09/15/2017

The FCC has announced that the Office of Management and Budget has approved, for 3 years, the information-collection requirement of the Commission's March 29 *Report and Order (R&O)* that spelled out Amateur Radio service rules for the two new bands — 630 meters and 2200 meters. Notice of the action appears in today's edition of the *Federal Register*. Before using either band, stations must **notify** the Utilities Technology Council (**UTC**), formerly the Utilities Telecom Council, that they plan to do so, and if UTC does not respond within 30 days, they may commence operation.

Last March 27, the FCC adopted the 2012 World Radiocommunication Conference (WRC-12) implementation Report and Order (ET Docket 15-99), amending its Amateur Radio rules to — in the FCC's words — “provide for frequency-sharing requirements in the 135.7-137.8 kHz (2200-meter) and 472-479 kHz (630-meter) bands.”

Section 97.313(g)(2) of those rules requires that, prior to starting operation in either band, radio amateurs must notify UTC that they intend operate by submitting their call signs, intended band(s) of operation, and the coordinates of their antenna's fixed location. The new rules do not permit any mobile operation.

“Amateur stations will be permitted to commence operations after a 30-day period, unless UTC notifies the station that its fixed location is located within 1 kilometer of Power Line Carrier (PLC) systems operating on the same or overlapping frequencies,” the FCC said. PLC systems are unlicensed. “This notification process will ensure that amateur stations seeking to operate [on 630 or 2200 meters] are located beyond a minimum separation distance from PLC transmission lines, which will help ensure the compatibility and coexistence of amateur and PLC operations, and promote shared use of the bands.”

The FCC announced that it is making effective immediately the Part 97 rule amendments, § 97.3, 97.15(c), 97.301(b) through (d), 97.303(g), 97.305(c), and 97.313(k) and (l), which do not require OMB approval

Click [HERE](#) to access the UTC notification website.

Treasurer's Report April 2018

Feb 2018	Feb 2018 General Meeting	Mar 2018	Mar 2018 General Meeting	Apr 2018	
Ent Checking	\$3,035.06	\$2,950.76	\$3,283.44	\$3,283.44	\$3,553.44
Ent Savings	\$3,756.82	\$3,756.82	\$3,757.11	\$3,757.11	\$3,757.43
Wells Fargo	\$2,528.12	\$2,476.05	\$2,476.05	\$2,476.05	\$3,150.05
PayPal	\$64.02	\$64.02	\$40.02	\$40.02	\$114.02
Cash (or undeposited checks)	\$0.00	\$152.00	\$0.00	\$371.00	\$0.00
Total	\$9,384.02	\$9,399.65	\$9,556.62	\$9,927.62	\$10,574.94

Note: PayPal will be minus PayPal fees when transferred to bank account

Temporarily restricted categories:

Awards	\$13.59	\$13.59	\$13.59	\$13.59	\$13.59
Scholarships	\$301.82	\$301.82	\$346.82	\$446.82	\$557.82

Major Expenses:

Megafest Prizes

COQP Plaques and Postage	\$121.41	\$121.41			
Raffle License	\$100.00	\$100.00			
Raffle Tickets	\$339.95	\$339.95			
Scholarship	\$1,000.00	\$1,000.00			
Web Hosting	\$420.15	\$420.15			
King Soopers Cards			\$50.00	\$50.00	

Income:

Amazon Smile	\$23.80	\$23.80			
Raffle ticket sales					\$574.00
Admissions					\$45.00
Table sales					\$72.00
Mfr's rebate check for prize purchase					\$100.00

King Soopers Cards (need \$5,000)	\$5,151.83	\$5,151.83	\$1,000.00	\$1,000.00	\$1,850.00
Soopers Card Reloads	\$1,350.00	\$1,350.00	\$1,000.00	\$1,000.00	\$850.00
King Soopers Check	\$257.59	\$257.59			

73

Jim Madsen
K3ILC
Treasurer, PPRAA

**ISOTRON 80/40 COMBINATION
OUR MOST POPULAR UNIT!**

www.isotronantennas.com

**THE BEST WAY TO OPERATE HF
EASY INSTALLATION
EXCELLENT PERFORMANCE
DURABLE CONSTRUCTION
CC&R FRIENDLY (XYL ALSO)
IMPROVING THE AUDIO QUALITY OF YOUR STATION. - PART 2**

The last article gave suggestions on noise at the antenna end. What can be done at the radio to improve reception?

Start with the speaker and audio circuit of the radio. Even the high end radios can be lacking in this area. How so?

Most radios come with a low power audio amplifier. It is driving a small speaker that may not have a high acoustic quality. I have heard it estimated that even the high end receivers has as much as 8% distortion.

Now comes the fun part. Rather than listen to your receiver with the stock audio system, add a relatively high power amplifier. This is not for the purpose of blasting your ears off, but to amplify the receiver audio with little distortion. Also, adding a good quality speaker is needed.

Most amps will have a base and treble control. Some will have an equalizer and others will have a full blown Digital Signal Processor (DSP). Which ever you use, it will be helpful.

You can adjust the base and treble, or the equalizer between 300 and 3,000 cycles per second response. Also, customize it a little to your ears. By doing this, you will find that the unwanted noise will start to take a back seat.

The DSP unit will be able to adjust the audio in minute detail. Even notching out narrow areas of the spectrum. The frequency response can be made sharper. If you are having a bit of hearing loss, you can customize the DSP for what you need.

Have you tried a good set of head phones. Not the ear wax diggers, but the full size ones that block out your surrounding noise. It also is a big improvement.

Adding this simple feature is easy and will improve the best receivers.

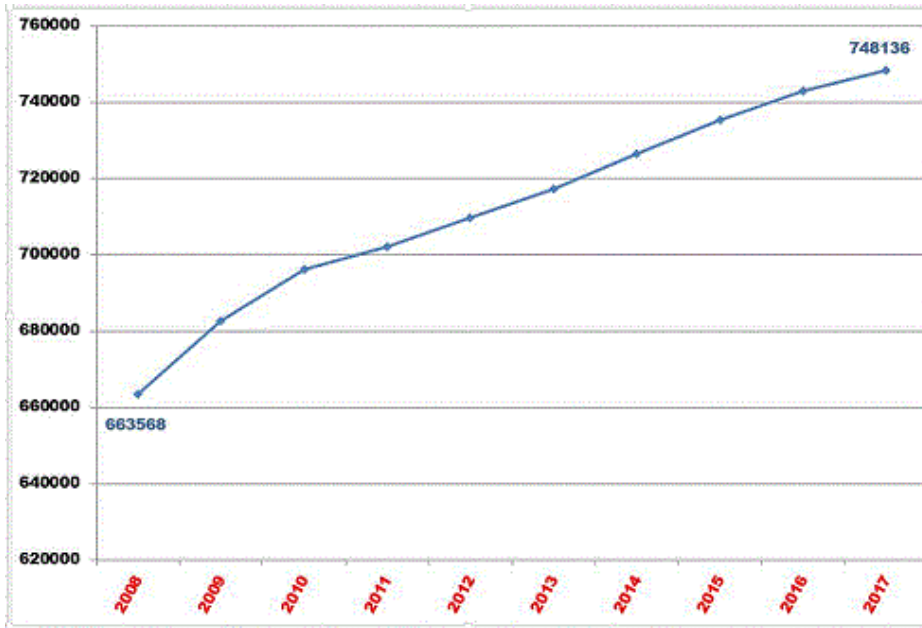
There is more you can do with the radio itself. This will be covered in up coming articles.

wd0eja@isotronantennas.com

**PHOTO WAS TAKEN 10 MILES SW OF FLORISSANT, CO.
73, Ralph WD0EJA April 2018 PH/FX: 719/687-0650**

BILAL COMPANY 137 MANCHESTER DR. FLORISSANT, CO. 80816 U.S.

More than 30,000 New Ham Licensees and 7,000 Amateur Radio Exam Sessions in 2017
 For the fourth year in a row, more than 30,000 new licensees joined the Amateur Radio ranks, and ARRL Volunteer Examiner Coordinators (VEC) conducted more than 7,000 Amateur Radio exam sessions, serving some 35,350 candidates for a new or upgraded license. At the end of December 2017, the US Amateur Radio population stood at 748,136.



The Amateur Radio population has grown steadily over the past decade.

At nearly 378,000, Technician licensees represented the largest segment, with General (174,206), Amateur Extra (145,034), Advanced (41,938), and Novice (9,056) trailing. Licensee numbers showed continued growth across all classes except Advanced and Novice, which the FCC no longer issues; those numbers continue to drop. "I'm hopeful that the number of new licensees will be more than 30,000 at the end of this year," ARRL VEC Manager Maria Somma, AB1FM, said. "I would love to see this trend continue!"

New Licenses 2008 - 2017

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
28,066	30,144	27,528	24,072	27,082	28,886	33,241	32,077	32,552	32,196

Garden of the Gods Amateur Radio Club



Garden of the Gods ARC meeting

First Monday of each month at Fargos Pizza at 11:00 AM. All are welcome.

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.

Team,

Be sure to join us for our weekly nets Monday and Tuesday evenings!

First, Monday, at 8:30pm, on D-Star XRF223B, the PRA holds its D-Star net. There is plenty of conversations from everything digital to the latest projects and devices... from DStar / DMR / Fusion / Brandmeister / Hotspots, and even CW. This can be accessed via your local hotspot. Also, many have linked via the WOCDS 2M repeater as well. Considering our KOPRA repeater is being relocated, using the WOCDS 2M side would be best (please follow common/courteous practice when linking).

Second, at 8:00pm on Tuesday, is the PRA weekly analog net on the WOCFI 448.675 – (100Hz) repeater. This is a great way to catch up on the happenings of the PRA and is a great environment to ask any question related to the hobby or to give yourself some bragging rights on a recent license, upgrade, or new piece of equipment.

We'll see you on the air!

--

73,

KØPRA

Your Friends at the Parker Radio Association

www.facebook.com/parkerradioassociation

parkerradio.org

[@ParkerCORadio](https://twitter.com/ParkerCORadio)

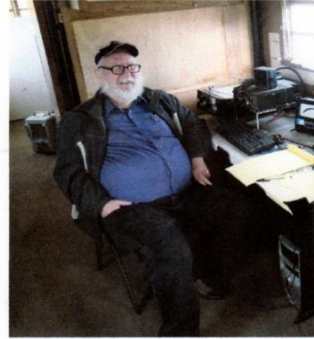
From the annals of PPRAA history

April 1981:

Dave Gieskieng, WØFK, gave the March presentation on his DL antenna. He also wrote an article for this month's Ø Beat describing the antenna and how it works. New novice classes will begin on April 7th at 7:30 pm at North Jr.

High. The restaurant used for the Saturday morning breakfasts has been closed down – need to find a new restaurant! There's a technical article on coax attenuation, velocity factor, etc. this month. The April meeting will be by

Bob Poirier KØDJ on traffic handling.



FREE

**Ham Radio License Classes and Tutoring
Technician, General, Extra, Morse Code, Hands-on
Skills.**

Mike Anderson, WV7T
PPRAA Senior License Instructor
wv7t@aol.com 229-8610

Raleigh Holcomb, N4HYF
ARRL Registered Instructor

Free Exams!



PPRAA VE EXAMS

(MONTHLY)

PPRAA VE session will be held at 10:15 am on the second Saturday of the month at Pikes Peak Library District - Library 21c, 1175 Chapel Hills Dr, Colorado Springs, CO 80920, United States. The exception is the Megafest month where testing will be at Megafest and will be at 10:00 AM

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 **FRN NUMBER** (now required – this includes children).
3. Your **ORIGINAL amateur radio license** (if any) **AND a PHOTOCOPY** for the VE Team to keep.
3. The **ORIGINAL of any relevant CSEs** you have **AND a PHOTOCOPY** for the VE Team to keep.

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

Dennis Major NOABC, 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.

PPRAA VE Session

Monthly on the second Saturday

Pikes Peak Library District - Library 21c, 1175 Chapel Hills Dr, Colorado Springs, CO 80920, United States

Where

[map](#)

Calendar

PPRAA

Created by

n7lem.0@gmail.com

Description

Testing will take place in the Ent Conference Center.



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 k0hzb@arrl.net or call (719) 687-8758.

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

A valid PHOTO ID, driver's license preferred (if you do not have a valid photo ID, please call for alternative identification requirements).

- 1. Your FRN NUMBER** (now required – this includes children).
- 2. Your ORIGINAL amateur radio license** (if any) **AND a PHOTOCOPY** for the VE Team to keep.
- 3. The ORIGINAL of any relevant CSCEs** you have **AND a PHOTOCOPY** for the VE Team to keep.

4. **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 Dean Buckhouse



Study for your Amateur Radio License exam:

[Technician \(2014-2018\)](#)

[General \(2015-2019\)](#)

[Amateur Extra \(2016-2020\)](#)

[Other...](#)

HamExam.org Amateur Radio Practice Exams

Welcome, guest.

Log in using <https://hamexam.org> or click [**register**](#) to create an account.

If this is your first visit to the site, please read my brief [**introduction**](#).

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

Date: _____ New Membership Renewal

Name: _____

E-mail address: _____

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

- 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

