



VOLUME 70 ISSUE 2
Feb. 2019

PPRAA Club Officers

President	<u>Jim Bishop, KD0KQL+</u>
Vice President	<u>TBD</u>
Secretary	<u>Jay Winterton, KD0VRB+</u>
Treasurer	<u>Dick Kohlhaas, W5UDM+</u>
Ø-Beat Editor	<u>Jerre Redding, WAØBCM</u>
Webmaster	<u>Douglas Nielsen, N7LEM</u>
Past President	<u>Rich Milligan, ADØNP</u>
Board	<u>John Bloodgood, KDØSFY</u>
Board	<u>Terry Kift, KD0JAX*</u>
Board	<u>Virgil Yost, N0XRS*</u>
Board	<u>Raleigh Holcomb, N4HYF</u>
Board	<u>Jim Goodwin, KD0SFP</u>
Board	<u>Jim Rader, KD0NQM*</u>
Board	<u>Mike McLaughlin, K0JT</u>
Board	<u>Ray Uberecken, AAØL*</u>

* In final year of 2-year term

+ One year officer position

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

Monthly Ham Breakfast



Golden Corral Buffet

1970 Waynoka Rd.

Saturday, March 2, 2019 8-9:30 AM

(719) 591-9870

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



Feb. PPRAA Club Meeting

**The Feb. 13th 7PM club meeting will be at the IHOP on Stetson Hills Blvd
(just west of Powers Blvd). 5749 Stetson Hills Blvd.**

My input for the February club meeting presentation. The presentation for the February 2019 PPRAA regular club meeting will be by ke7tbb, Dan Nezgoda. Dan has recently relocated to our area from Henderson, NV. Dan is an amateur extra and through a recent discussion, I found out that he is very interested in 2 meter SSB. He will be taking from an article by our friend, Bob Witte, from the Tri-Lakes Monument club. Lots of info, links, and examples of working 2 meter SSB.

PIKES PEAK RADIO AMATEUR ASSOCIATION TREASURER'S REPORT

Period: 10 Dec 2018 through 6 Jan 2019

ASSETS		\$
Ent Checking Acct		5527.80
Ent Savings Acct		3799.95
Wells Fargo Checking Acct		3851.55
Paypal		63.21
	TOTAL	13242.51
LIABILITIES & EQUITY		
CO QSO Party Awards		374.78
Scholarship Fund		363.00
Unrestricted		
Equity		12504.73
	TOTAL	13242.51
INCOME		
Membership Dues		158.00
	TOTAL	158.00
EXPENSE		
Donation to Annette Milligan		300.00
Other		11.33
	TOTAL	311.33
	NET PROFIT (LOSS)	-153.33

NOTES: Scholarship Fund 2018: Outgo \$1000, Income \$1321.59
(King Soopers \$865.59, other \$456.00)

Respectfully submitted:
Richard Kohlhaas, W5UDM
Treasurer

January 2019 Board Meeting Minutes

1/7/2019

CTO @ 6:30 PM by W0CEC, Curtis

In Attendance:

WV7T, N6JRL, KD0NQM, W5UDM, KDOJAX, AA0L, KOJT
KD0SFY, N7LEM, KD0KQL, W0CEC, KDOVRB, KD0SFP

Old Business:

- VP Report – KD0KQL, Jim
 - Annette (Rich's widow) – Regarding his antennas and radios, the club could take and sell them to pass the money onto her. Rich is to be cremated but not until payment is received. We would like to get donations from the club and club members in the general membership meeting on Wednesday. Annette also has the club screen and a computer (WV7T, Mike doesn't remember giving him one though). Jim will bring envelopes for check/cash donations for Annette to the club meeting on Wednesday.
- Treasurer's Report – W5UDM, Dick
 - Treasurer is the only one who can sign checks, it would be a good idea to have second signer though
 - We re-register with the Colorado Secretary of State every year and designate a registered agent. We will put KD0KQL, Jim's name on it.
 - Emails have been going out when people's membership dues were past due. The board discussed what to do when they aren't paid. This is something that possibly a club membership committee could decide how to handle. Since we do not presently have a club membership committee the board may decide how to handle it.
 - Treasurer's report is typically produced and sent out just prior to the board meeting and is recommended to continue this way.
 - As a matter of clarification, the primary list of club members is located on the club website. The treasurer is to update this list. He will send out notifications when membership is past due.
 - Regarding the raffle, we are to submit the proceeds within one year. We have built up about \$3k after buying next summer's prizes. Doug is still configuring the laptops (educational purposes expense). Have they been officially purchased by the club yet? Aug./Sept. meeting minutes may show more about 2017 educational expenses for raffle sales.
 - Sales tax exemption restrictions – purchasing tangible property with club money that may be transferred for personal use should include sales tax. W0CEC, Curtis will get clarification from accountants at work on this.
- ARES Report, John KD0SFY
 - Skywarn Recognition Day went well. Information regarding the Salvation Army Christmas Dinner
- Megafest Report, N6JRL, Don and KD0NQM, Jim
 - They have gone to HRO in Denver and purchased a whole HF station for the main Megafest prize

- Recommendation to have the president of the club introduce himself at the start of raffle drawing of Megafest. It is good to put faces with names and callsigns.
- They have applied for the gymnasium at the same location. Dates applied for are the 13th and 20th of July. We should know by the first or second week of January which date and if we will be able to hold our Megafest there.
- KD0NQM, Jim suggested leaving our old QST magazines at Dr's offices with club business cards on them. This may help boost involvement in amateur radio.
- We have all of the prizes for this year's Christmas Party (on Wednesday night). We should take time that evening to promote King Sooper's cards. We have 5 left and can get more.
- It has been suggested that a list of authorized people be given to the fire department and new police substation out at the club station location in Ellicott. WV7T, Mike suggested making a numbered name badge.
- WV7T, Mike has donations that need to be inventoried and submitted to the board for decisions on what to do with them. He will hold donations for 60 days.
- WV7T, Mike is going to take flowers and a card out to Rich's widow, Annette. *Motioned by KD0VRB, Jay. Second by KD0KQL, Jim.*
- W0CEC, Curtis suggested that at the January meeting we discuss and put a donation plan in place.
- KD0KQL, Jim brought up how we need to complete the Special Service Club registration (a 2 year plan is needed)
- KD0SFY, John mentioned the Facebook group, that people can sign-up but admins need to approve joining the group. The group is public, so everyone can see what is posted. John is willing to train somebody on how to be an admin for the Facebook group. Larry's wife, Janet, could be a good person for managing the Facebook group page. We might consider also creating an Instagram account, as well as Twitter, etc. These are a great resource for the public and offer the club tremendous publicity. We could also contact news media and let them know about upcoming events to add publicity.
- Jim, KD0KQL will be a registered agent for the club
- Jim, KD0NQM will be an additional signer. He and W5UDM, Dick will meet at the bank sometime after Christmas to add him as an additional signer for checks.
- Jim, KD0NQM – 7 PM for Christmas Party

New Business:

- SK's: None
- Dick Treasurer's Report
- Move to use the new form for Payment Voucher KD0KQL, Jim. 2nd KD0NQM, Jim. *All in favor.*
- Expiration of members discussion
- Sales Tax – Need an accountant to ensure that we are operating appropriately in terms of sales tax. If we purchase anything additional for a raffle (in club or Megafest) we need to pay taxes.
- VP Report – KD0KQL, Jim– Regarding Anette, almost completed selling radio items. She's very pleased with the donations and assistance in selling radio gear.
- ARES Report – KD0SFY, John - Nothing

- Megafest Report – KD0NQM, Jim - paperwork was filled out and submitted to Robin at the school district. We are still waiting to hear back on 13th or 20th of July. Prizes purchased prior to first of the year. When the date is okayed Jim will get raffle tickets printed. N6JRL, Don will reach out to additional people from some major ham radio companies and bring those things back from Dayton in May.
- K3ILC, Jim said there won't be a need to have an authorized list to visit club station. KD0KQL, Jim spoke with fire chief and they said "not yet, maybe sometime in the future."
- Current assets/donations at WV7T, Mike's home will be inventoried by K0JT, Mike. Idea to potentially sell some of these items at MegaFest. Future donations will be inventoried by volunteers in the future. If not taken, will either be sold by WV7T and cash from sales will be handed to the club or he'll bring the items out to the club station in Ellicott.
- KD0SFY, John - we are no longer listed as a special service club. If interested in being listed as such we need to look into further. Email and research is forthcoming.
- KD0SFY, John mentioned the Facebook group. Could use some help in keeping social media alive.
- Jim, KD0NQM will be an additional signer. He and W5UDM, Dick will meet this week.
- W0CEC, Curtis brought up the laptops. These are paid for by education proceeds from the raffles in 2017.
- WV7T, Mike - Another venue for Christmas Party has been recommended by a club member. Many are in agreement.
- KD0SFP, Jim brought up the special event station at MegaFest.
- N7LEM, Doug– He and KD0JAX, Terry Kift are going to set up a table at the Adams County MegaFest just to advertise for our MegaFest. KD0NQM, Jim moved that \$20 be spent on the table for this. KD0KQL, Jim second. *All in Favor.*
- WV7T, Mike– Wondered if there was any interest in doing a Foxhunt? Many hands went up. WV7T has the trophy. N6JRL, Don suggested we do it at the club picnic. Transmitters run \$50-275. KD0KQL, Jim will reach out to somebody he knows about doing a foxhunt presentation.
- Don, N6JRL – No active QCWA in state of Colorado. Would need 5 people from the club to start or resurrect the chapter in the PPRAA area. Reach out to club members in meeting for who would like to participate.
- KD0KQL, Jim - He will submit Rich's name/callsign to get SK listed in QST.
- WV7T, Mike– Coordinator for field day recommended to be selected.

Motion to Adjourn @ 7:43 PM by N6JRL, Don
 Second by KD0NQM, Jim
All in Favor.

January 2019 Club Meeting Minutes

1/9/2019

CTO @ 7:00 PM by KD0KQL, Jim

SK's: WU3H

In attendance: 49

Old Business:

- Treasurer's report by W5UDM, Dick

- Secretary's Report by KD0VRB, Jay– Review of meeting minutes from the last club meeting.
- ARES Report by KD0SFY, John - Skywarn Recognition Day went well. Information regarding the Salvation Army Christmas Dinner
- Megafest Report by N6JRL, Don
 - Complete HF station for the Megafest main prize (includes an IC-7200)

KD0KQL, Jim \$1003 already donated this evening. He will bring a check by for Annette (Rich's widow).

N4HYF, Raleigh suggested that the club donate the remaining \$297 needed for Rich's cremation to Annette.

Second by KD0KQL, Jim. *All in favor.*

Motion by N6JRL, Don for all club donations over the next month to be donated to Annette as well. Second by KD0KQL, Jim. *All in favor.*

New Business:

- Treasurer's report by W5UDM, Dick
- ARES Report by KD0SFY, John– Nothing going on in January
- Secretary's Report by KD0VRB, Jay– None due to no business conducted at last club meeting
- Who can step up and coordinate a fox hunt? KV6O, Stephen Leander can coordinate.
- N0ABC, Dennis recommended a tape measure antenna project activity. This will be planed for when the weather is warmer.
- QCWA – many here who qualify for QCWA. It takes a minimum of 5 to restart the local chapter. Contact N6JRL, Don (dues are \$25/year) if interested in restarting the chapter in Colorado. Go to QCWA.com for more information.
- Megafest – N6JRL, Don– 2 dates in July 6th or 27th–27th is the most desirable with 6th being the same weekend as the 4th of July. Don will be bringing back some swag from larger companies from Dayton to supplement the prizes for our Megafest.
- N0ABC, Dennis– Regarding the VE Session on Saturday and the Federal Gov't shutdown: FCC isn't operating, so anybody who gets licensed will have to wait to get their license until after the FCC gets back to work.
- KD0KQL, Jim– Report on Rich's radio equipment. Jim was able to sell all the equipment and deliver \$3,663 to Annette. There is still one more antenna and a mast on top of her roof that needs to be purchased and taken down.
- N7LEM, Doug– special service club information – status expired a couple of years ago. He's working to get this renewed within the next week or so. Makes the club look better.
- Jim, K3ILC – The remote radio is back up and running today. The computer kept crashing (possibly due to power outages). Now the internet connection keeps dropping. The router is having issues but is currently running. Let him (K3ILC) know if you'd like to use the remote radio. It is for club members only. K3ILC@ppraa.org
- Jim, K3ILC – SK KD8KK radio related giveaway - Estate is in Ellicott, the next of kin have the house under contract and want to get rid of rest of his radio stuff (1-4 PM at house) prior to closing. Items available include: aluminum, traps, wire, coax, 12v power supplies. Location is ½ mile north of 94 west on Ellicott hwy 1350 north elicott highway. Details to be emailed out soon.
- N7LEM, Doug - Loveland Hamfest coming up, so is the Brighton Hamfest – if you're looking for equipment this is a great way to find it.
- N4HYF, Raleigh– suggests next Christmas potluck instead of restaurant. Club members made recommendations for other restaurant locations.

- KE0GB, Richard represents SK N0ST and is selling many items for him. Contact him if you'd like some of the equipment he listed in the meeting.

Program – KD0SFY, John– Winlink

KD0KQL, Jim– if anybody is interested in presenting let him know.

Motion to Adjourn @ 7:59 PM by N4HYF, Raleigh

Second by KD0VRB, Jay

All in Favor.

Amateur radio (illegally) aiding yacht racers

By Dan Romanchik, KB6NU

The Golden Globe Race (<https://goldengloberace.com>), a 30,000 mile, non-stop solo yacht race to celebrate Sir Robin Knox-Johnston's historic 1968/9 world first solo non-stop circumnavigation. There are 18 sailors in the race, which started on July 1, 2018 from Les Sables-D'Olonne, France.

Amateur radio is at the heart of the latest controversy surrounding the race. *Scuttlebutt Sailing News* reported (<https://www.sailingscuttlebutt.com/2019/01/21/maintaining-information-barrier/>) on January 21, 2019 (day 205 of the race):

“Sailors have been making use of the Amateur Radio net (ham radio) for decades, and while National telecommunication authorities have often turned a deaf ear to unlicensed operators using made-up call signs while at sea, warnings from a National regulator to Golden Globe Race skippers has created intrigue into an exciting finale for race leaders.

“Modern navigation and routing tools are restricted from use in the 2018-19 contest, limiting GGR skippers to the type of equipment available for the inaugural Sunday Times Golden Globe solo non-stop round the world race in 1968-69. That includes Amateur Radio.

“The skippers have been using this free communication system to gain weather forecasts and maintain contact with their teams, which is allowed under the Race Rules. However, it is the responsibility of each skipper to ensure that they abide by National and International regulations which Jean-Luc Van Den Heede and Mark Slats, in first and second in the race, have not been doing. [[Neither Van den Heede or Slats have valid amateur radio licenses...Dan]]

“Said the warning, 'You use an amateur callsign and are making connections with amateur radio operators. The call sign letters are not registered, and thus illegal. I ask you to stop. If you have a legal amateur callsign then I urge you to present it.'”

As a result of this warning, Slats is considering dropping out of the race, even though the race is nearly complete. *Yachting Monthly* reports (<https://www.yachtingmonthly.com/boat-events/golden-globe-race/golden-globe-race-slats-considers-quitting-comms-row-68574>):

“Mark Slats, who is less than 50 miles from Golden Globe Race leader Jean-Luc Van Den Heede, has announced he is thinking about retiring from the race after being banned from broadcasting on the Ham Radio Net.

“Race organisers said the Dutch skipper does not have the required licence, and has been warned by the Dutch authorities to stop broadcasting, which has left him unable to communicate with his shore team.

“Under the rules of the race, all of the entrants are able to use this free communication system to gain weather forecasts and maintain contact with their teams, but, it is the responsibility of each skipper to ensure that they abide by national and international regulations.”

It's not only the yachters that are flouting the rules, it's the amateur radio operators who are communicating with them. According to *Yachting Monthly*, OFCOM, the UK regulator issued the following warning:

“Fair warning both to unregistered GGR skippers and to legitimate Ham radio operators communicating with them. In Britain, the Ham Radio net is controlled by OFCOM, which recently revoked more than 500 licences for non-compliance. This includes communicating with unregistered Ham radio operators. The maximum penalty is 6 months in prison, a £5,000 fine and loss of their licence.”

This is a fascinating story, and I wish that I'd found out about this sooner. It would be interesting to listen in on some of these communications. One question I have is why these guys failed to obtain a valid amateur radio license? The Golden Globe Radio website notes, “[The race] will be sailed under the auspices of the Royal Nomuka Yacht Club in the Kingdom of Tonga. His Royal Highness, Crown Prince Tupouto’a Ulukalala is Patron of the Race.” They probably could have issued valid amateur radio licenses to all the racers.

If any of you have heard the communications or know any more about the technical details, I'd love to hear from you.

=====

Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog (KB6NU.Com), the “No Nonsense” amateur radio license study guides (KB6NU.Com/study-guides/), and one of the hosts of the No Nonsense Amateur Radio Podcast (NoNonsenseAmateurRadio.Com). When he's not think about operating maritime mobile, you'll find him on 30m, 40m, and 80m.



What is it?

The top Tuning section for the ISOTRON 160C and AM Broadcast.

This article will also appear on our web site.

LOCATING INTERFERING NOISE

Unwanted noise is a big problem. With so many devices that make noise, it is a challenge to keep your receiver reception clean.

There are power line noises. When a power line or transformer arcs to ground, it can generate noise for several miles. The arcing can go on for years without burning anything out on the electrical grid.

There are noises generated by other electronic devices. Wall warts are notorious noise makers. It can wipe out the reception for HF.

Computers and tablets can generate noise, however if the power source is clean they are not as much of a problem.

Finding the source of man made noise can be a challenge. Noise will most likely appear around 7 Mhz the strongest. 3 - 4 Mhz can be almost as strong. Going lower to the 160 meter band may be quieter. At 10 MHz and higher the noise can be quite low.

The first place you want to look for noise is in your own home. Power up your receiver with a battery. Make sure you are hearing the interference well. Then go to your electrical panel. Turn off one breaker at a time. If one of the circuits drops the noise out, you got off easy. Now you can look for the offending device.

If it is a power line, it will be a bit more challenging. You can use an AM broadcast radio with a built in ferrite antenna. This will give you two directions that the noise may be in. However, sometimes the interference is not affecting the AM band much. That will require listening on the Amateur bands that are most affected.

Being able to receive in a vehicle may get you close by watching carefully the signal strength of the noise. Most power lines are delivered to a community by a three phase line. You will see three hot lines, normally in the same plan and a fourth line underneath.

From the three phase it can branch off to a single phase having only two wires on the pole. This line will feed the transformers that supply the homes.

Turning down the attenuator on your HF radio, you can locate the most intense spot the noise is being produce.

If you are able you can switch antennas on your vehicle to the ferrite antenna for the HF band you are listening to. This can be made from a ferrite rod. Wrapping a few windings of thin magnet wire on the rod and connecting it in parallel with a variable capacitor. A lesser number of winding can be added to the rod in the center of the rod and attached to a connector. With a little experimenting you can get the ferrite to resonate on the frequency you are listening to.

This will give a bi-directional antenna. Normally it will point to the pole, measuring signal strength. The strongest signal will put you close. Even with this arcing, you may not hear it.

Now what do you? Chain saw?, Shot gun?

Most power companies have sophisticated equipment for noise detection. This equipment may be unknown to much of the power companies staff. It would be best to contact an engineering or technical department to request help in finding the offending device. If you get the right person, the noise can normally be located quickly.

73,
Ralph WD0EJA

Feb 2019

BILAL COMPANY
137 MANCHESTER DR.
FLORISSANT, CO. 80816 U.S.A
PH/FX: 719/687-0650
wd0eja@isotronantennas.com

To: ARRL Affiliated Contest Clubs

Re: 2019 ARRL RTTY Roundup – Club Competition – Participant/Eligibility List for Review

All,

At a new web page <http://contests.arrl.org/clubcompdetails.php> we have posted the 2019 ARRL RTTY Roundup Contest club eligibility data for review.

Data is sorted by Club Name, then by Member Call Sign. If there are additional call signs to the right of a group call, these members operated at a station participating as a guest operator or multioperator entry crediting the group. Multioperator entries are subject to the rule requiring 50% club membership.

The residence requirement (mileage or section) is shown for each club. Residence information is shown for each member, if provided.

A minimum of 3 logs per club are required to compete.

Please review the data and have your members bring any questions to you or your responsible club official or secretary. If a club competition participant was ineligible, or outside of club territory, the information is not included.

Upon your completed review, club secretaries or responsible officials may contact the ARRL Contest Branch to discuss any adjustments to their club's summary results.

Challenges to scores submitted by a club must be made in writing by contacting the ARRL Contest Branch via email with any concerns.

Please submit all responses/questions by 0400 UTC, Monday February 11, 2019 - via email to contests@arrl.org

This email is being sent to the filer's email address for all Contest Clubs who have an Eligibility Lists on file.

To be eligible for Club Competition, clubs must have had an Eligibility List on file at <http://contest-clubs.arrl.org/viewlists.php> prior to the beginning of the contest they intend to participate in.

Thanks for participating...

73,

Bart Jahnke, W9JJ

Contest Branch Manager

ARRL - The national association for Amateur Radio™

225 Main St. Newington CT 06111

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/>

IQRP Quarterly Marathon

January 7, 2019, 1:00am – January 13, 2019, 1:00pm



Description: <http://www.hornucopia.com/contestcal/weeklycont.php>

The Swapfest

- Sunday February 17, 2019 (0900-1300)
- Adams County Fairgrounds
- Brighton, Colorado
- More info [here.](#)

LARC Fest

- Saturday, April 6, 2019 (0800-1400)
- Boulder County Fairgrounds
- Longmont, Colorado
- More info [here.](#)

Museum Ships Weekend Event

- Saturday June 1, and Sunday June 2, 2019
- On Air
- More info [here.](#)

Field Day

- Saturday/Sunday June 22-23, 2019
- Club Station, Ellicott, CO
- More info under Field Day tab above

PPRAA Megafest

- Saturday July TBD, 2019
- Lewis-Palmer High School, Monument, CO
- More info under Megafest tab above

2019 ARRL Rocky Mountain Division Convention

- Friday August 8 thru Sunday August 10, 2019
- Weber State University Union Building
- West Campus Drive, Ogden, UT 84201
- More info [here.](#)

PPRAA Annual Picnic

- TBD August 2019
- 1000-1500 MDT
- Food served around 1230
- Pot Luck (Bring a salad, side dish, or dessert)
- Club provides burgers, brats, drinks
- Location: TBD

Denver Radio Club Hamfest

- TBD August 2019
- Jefferson County Fairgrounds, Golden, CO
- More info [here.](#)

Colorado QSO Party

- Saturday August 30, 2019

WWV Centennial Special Event Station

- 28 September – 2 October 2019
- On Air and Fort Collins, CO
- Operators needed
- More info [here.](#)

BARCfest

- TBD October 2019
- Boulder County Fairgrounds, Longmont, CO
- More info [here.](#)

JOTA-JOTI – Jamboree-on-the-Air/Internet

- 18-20 October 2019
- More info [here.](#)

TechFest – 2019

- Saturday November 2, 2019
- More info [here.](#)

Subject: WWV Centennial Celebration and special event amateur radio station

Date: Jan 22, 2019 5:29 PM

1/22/19

Pikes Peak Radio Amateur Association, AF0S

To whom it may concern,

The Northern Colorado Amateur Radio Club (NCARC) is planning a special event amateur radio station to commemorate the 100th anniversary of radio station WWV. The National Institute of Standards and Technology (NIST) lists their celebration for October 1, 2019 (see attached press release). NCARC plans to operate a multi-station, multi-modal 24-hour effort for 5 days from September 28 through October 2, 2019. NIST and NCARC have been in collaboration but had to suspend planning when the government shutdown starting December 22, 2018.

Our committee decided we needed to reach out on our own; there appears to be no end in sight. We look forward to an eventual resolution, returning to planning this event with NIST, to their own press release, and to putting on a wonderful celebration of a major technological and historical milestone at the end of September 2019.

The enormous effort will require a large number of hams. While we will have some of our club members as operators, we know this effort is way more than we can do on our own. It would be our pleasure to share this experience with other clubs and amateurs who may have an affinity to WWV.

We plan to have an open application period, beginning mid to late February, no later than March 1. We will post the most current information on the Operators page of our website. Application instructions and requirements will be posted as soon as they are available.

We encourage you to consider a beautiful fall visit to Fort Collins and Wellington, Colorado! It will be a serious operating event, we think potentially akin to a DXpedition, but also should be a huge amount of fun and something to be proud of and remember.

Please share the press release with your club members, and do check on the event website, WWV100.com <<http://wwv100.com/>>, WWV100.org <<http://wwv100.org/>>, or WWV100.net <<http://wwv100.net/>>, often. It may take some time for the government to return to normal when it does re-open, but we will report any updates as we learn about them and can make them public.

Thank you and 73,

Dave Swartz, W0DAS

WWV Committee, NCARC

You shop. Amazon gives.

Amateur Radio Emergency Links Info

Amateur Radio and Emergency Communications

<https://alertfind.com/amateur-radio-and-emergency-communications/>

Disaster Preparedness on a Budget

<https://couponfollow.com/research/disaster-preparedness-on-a-budget>

From the annals of PPRAA history

February 1982:

Forty members present at the January club meeting. Mark KAØJXW is putting together a club scrapbook and he can use any photos that you may have. The board will elect a new vice president since Smitty resigned, leaving Al ADØZ promoted to president. A club questionnaire was developed for the club members to make suggestions about the club. There will be a fox hunt on February 6th starting at the King's Country Restaurant. The February program will be about radio astronomy.

ARRL Outgoing QSL Bureaus

www.arrl.org/outgoing-qsl-service

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.

Parker Radio Association

PPRAA 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 WOCD5 2M repeater as well. Considering our KOPRA repeater is being relocated, using the WOCD5 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

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PPRAA VE EXAMS (MONTHLY)

PPRAA VE session has relocated and will be held at 10:00 am on the second Saturday of the month at **EL Paso OEM, Mark Dabling near Fillmore, Colorado Springs, CO 80908**. This may soon be changing to a different address.

TESTING IS FREE. 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 CSCEs** 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. 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.

Dennis Major N0ABC, PPRAA VE Contact, 719-213-1109

Jim Bishop kd0kql@hotmail.com, 719 332-5283



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 k0hbx@arrl.net or call (719) 687-8758.

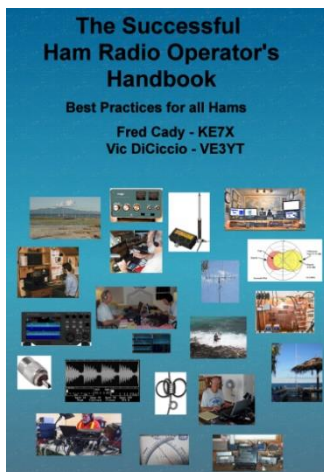
If attending, please BE SURE to bring the following items to the session:

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



The Successful Ham Radio Operator's Handbook

This new book is aimed at new or returning hams to help them understand the practical aspects of the hobby, how to use their radios, build antennas and baluns, and get on the air successfully. In it you will find explanations of how the various parts of your ham radio - the transmitter and receiver – work, plus how these are being implemented using software defined radio technology. Operating techniques for VHF/UHF repeaters, HF radio DXing techniques, and the new digital modes are covered. Radio propagation, antennas, transmission lines, SWR and the mysteries of baluns are explained. Building your HF station, choosing a radio, connecting your radio to a computer, and mobile and portable operation are extensively covered.

Both the pdf and spiral-bound printed versions are available from Lulu.com, and the print copy is also sold by DX Engineering. You can find them via the links below:

<http://www.ke7x.com/successful/ordering-the-successful-ham-radio-operator-s-handbook>

Here is a link that describes the book in more detail:

<http://www.ke7x.com/successful>

Follow us on www.facebook.com/KE7XBOOKS to keep up-to-date on book news and to be notified of book

discounts at www.lulu.com.

This book has 267 pages, 211 figures and diagrams, and 53 tables of data to make understanding the sometimes complicated ham radio operations much easier. The book follows KE7X's philosophy of presenting material in several forms to accommodate people with different learning styles -- reading, visualizing, hands-on -- with the many figures and text explanations and there are hands-on exercises throughout the book that can help you learn more about your particular radio.

Follow us on www.facebook.com/KE7XBOOKS to keep up-to-date on book news and to be notified of book discounts at www.lulu.com.

One instructor for new and advanced ham classes has said, "This book is exactly what is needed. I've seen some other books targeting the new hams that are less than satisfying both technically and in content but this one is right on the mark and covers so much information that I so often get asked about, during and after teaching classes."

Here are more details on the content:

- With nearly 110 years of ham radio experience between them, the authors are still excited about the challenges this wonderful hobby offers. *The Successful Ham Radio Operator's Handbook* will guide you when exploring some of these.
- Its goal is to help new operators and returning old-timers learn about the breadth of exciting ham radio activities and challenges available today.
- It answers the question "Why is ham radio relevant in the Internet age?"
- It covers a wide range of topics, helping the reader to understand the excitement of different facets of ham radio and to choose a challenging and exciting activity to pursue.
- It helps the reader better understand how the radio works. Many hams only use a small fraction of the features of their radio. For example, if you understand how a noise blanker or a roofing filter or the AGC works, you will be able to more easily use these, and other, features of your radio to your benefit.
- It provides exercises designed to apply the knowledge to cement your understanding of how your radio works without being radio-specific. It is good for all makes and models.
- It helps the reader get enough background to understand much of the jargon hams who pursue special activities, such as the various digital modes, VHF contesting and moon bounce. It quickly takes the novice reader to higher level of understanding and provides URLs and websites that help the reader go deeper into new interests.
- Antennas remain a key area where all hams can still successfully experiment and create a key part of their station. This book provides information to help new hams get started cutting their own verticals and dipoles. It explains why some popular multiband antennas may have compromises that impact performance.
- It gives practical guidelines about choosing transmission lines and building and using baluns and chokes.
- Digital modes such as RTTY, PSK and the new WSTJ modes are explained. The computer-to-radio connections needed for these modes are discussed and illustrated.
- Many hams are motivated by public service and emergency preparedness. This book describes typical local emergency organizations and national networks.
- Hams who like to operate while traveling will find practical information on reciprocal international agreements and how to get permission to operate legally.

Online Practice Test Sites



Study for your Amateur Radio License exam:

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

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

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

[Other...](#)

HamExam.org Amateur Radio Practice Exams

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**](#).

QRZ.COM <https://www.qrz.com/hamtest/>

Eham <https://www.eham.net/exams/>

AA9PW.COM

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