



The Reading Radio Club Bulletin

W3BN W3CCH

Volume 58

Issue Number 11

November 2020

The Reading Radio Club Was Established March 10th, 1921 , ARRL Affiliated February 17, 1922

A Monthly Publication of the Reading Radio Club
Scott (KC3PCS) & Lori Scheirer, Editors (kc3pcs@gmail.com)

Inside the November 2020 edition of
The RRC Bulletin:

Front Page	1
BOD / Officers	2
Meetings / VE Exams	3
Web Page / Facebook / RRC Contact Information	4
Email Scam Alert by Joe P.	5/6
Prez Says / Dinner Cancelled	7
Ron's Ravings	8
Editor's Remarks	9
Digital Modes by Harris Upham	10/11
VE Test Session #100 by Harry Hoffman	12
50 Years Ago #1 (September 1970) - Rich Ahrens	13/14
Shack of the Month	15
Red Rose Repeater Welfare Net	16
Trivia	17
Meeting Highlights by Harry Hoffman	18/19
Meeting On the Air	20
50 Years Ago #2 (October 1970) by Rich Ahrens	21-23
Helping H.A.M.S.	24
Repeaters & Nets	25
For Sale / Wanted / Free	26
Membership Statistics	27
Calendar of Events	28
Membership Renewal	29
2021 Meeting Dates	30
About the RRC Bulletin	31

November 13th, 2020

Meeting is at the AG Center



YOUR 2020 RRC OFFICERS

January 10, 2020

By: Rich Ahrens, W3WJC



L to R - Harry Hoffman, W3VBY, Secretary - Ron Waszk, K3RJW, VP
Chris Schlegel, K3ADA, President - Nate Rosenthal, N2ADD, Treasurer

Board of Directors & RRC Officers

2020 RRC OFFICERS

PRESIDENT	Chris Schlegel, K3ADA	Sutehk.CS@gmail.com	(20)
VICE PREZ	Ron Waszk, K3RJW	PolishPICL@aol.com	(20)
SECRETARY	Harry Hoffman, W3VBY	HarryHoffmanJr@juno.com	(22)
TREASURER	Nate Rosenthal, N2ADD	NateØ1PA@comcast.net	(20)

2020 RRC AT-LARGE BOARD MEMBERS

Art Becker, KB3LDI	ABeckerBeConCo@msn.com	(21)
Jason Potter, K3WDF	Radio.K3WDF@gmail.com	(21)
Joe Pietruszynski, AC3DI	JFP0250@comcast.net	(21)
John Engle, AB3SR	(Email Currently Unavailable)	(22)
Scott Scheirer, KC3PCS	scott@viewneye.com	(22)

The two-digit number, in brackets, to the right of the BOD member's email address, is the year that their term ends on December 31.

(A normal 3-year term runs from Jan. 1 to Dec. 31, three years later).

The four officers of the RRC are elected from the BOD by the NINE board members at the annual RRC Board of Directors Reorganization Meeting held in January of each year. Please note that ALL nine BOD members have voting power.

Please note: The Board of Director Minutes are available online at <https://www.qsl.net/w3bn/BOD.html> or in written form by request.

meetings

Next Board Meeting: **November 10th, 2020 (Zoom Meeting—Email Chris Schlegel, k3ada@arrl.net to be included)**

Next General Meeting: **November 13th, 2020**

Topic: **Lead Acid Battery Manufacturing—Presented by Chris Schlegel, K3ADA**

Location: **Berks County Agricultural Center**

To find the Berks County Agricultural Center,

1238 COUNTY WELFARE ROAD, LEESPORT, PA 19533

(Bern Township). Go north on Route 183 out of Reading, pass the Reading Regional Airport, continue about a mile to the traffic light controlled exit intersection and take a LEFT at "W. LEESPORT RD" (A CVS is on the northwest corner). Pass the "BERN EVANGELICAL LUTHERAN CHURCH" on your right. Then take the RIGHT at the next "STOP" sign (County Welfare Road). Go about a mile; the Berks County Agricultural Center is on your LEFT. Use the entrance at the **REAR** of the building.

VE Exams

Are you looking to take your amateur radio test? Looking to upgrade? If we get enough interest, we can set up a test session before a meeting. Please contact Harry Hoffman

Tel: 610-678-8976 or email: harryhoffmanjr@juno.com.

WEB PAGE OF THE READING RADIO CLUB

=====

Dave Schearer, K3BN - The RRC Web Master

www.readingradioclub.org

or

just Google W3BN



<http://www.facebook.com/RRCW3BN> maintained by Chris Schlegel, K3ADA

UNITED STATES POSTAL SERVICE MAIL (USPS)

=====

Send **ALL** USPS Mail pertaining to the Reading Radio Club to the **OFFICIAL**, and long term, (Since Oct. 1986), Reading Radio Club mailing address:

ATTENTION TO **
READING RADIO CLUB INC
PO BOX 13777
READING PA 19612-3777

** = Officer, title, or name of the person or persons to whom your correspondence is specifically addressed.

**THREE SEVEN TEN
2 METER ACTIVITY INITIATIVE**

=====

By: Rich Ahrens, W3WJC (09/29/2018) (updated 1/27/2019)

You do not need to be IDing on repeaters over a period of a few weeks before you conclude that most repeaters throughout the United States are underused. You ID your station. . . . "This is KA3XYZ listening on 91" and no one returns to your call ID -

IT MAY BE THAT NO ONE IS LISTENING.

Here is an idea that MAY, MIGHT, COULD stimulate some conversation (QSOs) on the Reading Radio Club 146.910 MHz repeater. We might call it the "Three, Seven, Ten" gathering or maybe "T S T" for short.

The thought is to turn on your 2-Meter transceiver at 3:00 p.m., 7:00 p.m., and 10:00 p.m. Identify your station and see if anyone comes back and wants to shoot the breeze. No net control, just some informal Ham Radio conversation.

Let us try this and see if we can pep up activity on the Reading Radio Club, W3BN, 146.910 MHz repeater. The CTCSS is 131.8 Hz.



*Catch up with Jim, N3PRJ, he is usually on the 3:00 p.m. session.
Thanks Jim for being a regular on the RRC 146.910 MHz repeater.*




E-MAIL FRAUD ALERT

Over the past two years various members of the Ham community have received personalized e-mails requesting purchase of gift cards for veterans. The initial series of emails involving the Reading Radio Club and the Lancaster Red Rose Repeater Club occurred in 2019. This year it appears to have migrated to include fake emails from ARRL Section managers or Section presidents. The theme always seems to be the same as example below.

Request

 **Chris Schlegel** <davethomas530@aol.com> 3/9/2019 11:48 AM  CS

To jfp0250@comcast.net

[Reply](#) [Forward](#) [Delete](#) 

Hello Joe,

Are you available? I am currently out of town for a conference meeting,very busy this week and not with my phone here,I want you to please handle this for me. Reading Radio Club needs some gift cards for charity and donation to Community Welfare with patients and Veterans at Hospice Care units across the community. Can you confirm if you can get some today? If yes, kindly make arrangements on how to get the 10 qty of \$100 each of Amazon gift cards Are sold at most Convenience Stores or Drug stores. When you have the Amazon physical card scratch it and take a snap shot of the pin codes attach and send back to me. Kindly let me know Which mode of payment you would prefer? if Check or direct deposit for reimbursement of the cards bought.

Thank you
Chris Schlegel .

Normally you probably do not look close at the sender information, this was not Chris's email address and if you can forward the email to authorities quickly, it can be traced and prosecuted.

(Email Scam Continued On Next Page)

Note: the officers of any club would not ask you to purchase any type of gift card and scratch off back. If you get such an email, report it to club officers and the proper authorities to catch these individuals.

Tips to Help Protect Yourself:

Scams are always evolving; if you suspect a message or offer may be fraudulent, check the sections of government sites (like the FTC, FCC, and FBI), which are updated with the latest scams. Those agencies suggest the following tips to help keep scammers at bay:

- Avoid the unknown. Filter and block text message and call from unknown numbers.
- Research legitimacy. If you receive an offer from a company you do not recognize, do some research to make sure it is legit before buying anything.
- Keep your info close. In the wrong hands, your credit card number can be used maliciously. Do not give it out unless you are sure you are dealing with a real company or organization. Do not give out your Social Security number or bank account information unless you absolutely know who you are dealing with.
- Never click on suspect links. Open a new browser tab and type in the URL of the company or organization, or call/search for them directly.

For additional information go to:

<https://www.usa.gov/stop-scams-frauds>

Drez Says

By: Chris Schlegel
K3ADA

Not much from me this month, again. I am looking forward to being back at the Ag Center this month and doing the presentation on an industry that I've worked in for the past 15 years. I'm a little disappointed that a facility tour wasn't possible. Every few years the company does hold an open house for friends and family of employees and it really is something to see if you can. Hopefully my presentation will help shed some light on one of the manufacturing wonders in our own back yard.

Also in November, nominations for the Board will be taken. If you are unable to attend the monthly meeting and would like to nominate someone, please, send your nomination via email to at least three of the members of the Board of Directors (email addresses found on page 2). Hopefully, this will eliminate any possible issues that may arise. Voting for this year is still something the Board is looking at.

73,

Chris, K3ADA



The 2020 RRC Christmas Gathering has been cancelled due to Covid-19 Precautions.

— Jim Nicholas, W3ITH

RON'S RAVINGS

VICE PRESIDENT'S MESSAGE

Including The Fox Hole, Simplex Meeting on the Air, and More.

by Ron Wazsk, K3RJW

Hi ALL, Its me RON. I do not have anything to add to our bulletin this month. I have been on the sick call list, and have not done a lot of Ham Radio at all.

I got my flu shot early Oct at the VA and it has put me down for DAYS. I didn't even feel like talking on the radio. I have done something that I have NEVER done since I joined the Military. I slept in for quite a few mornings just to try to recover.

I got the 4 in 1 flu shot and it kicked my b.

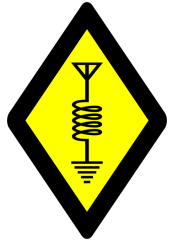
Other than that, I have done a little to correct my ham shack and clean it up. SO Joe and I have NOT scheduled any SMOTA calls, or FOX hunts.

I was hoping to wait 'till November when we can have an indoor hunt at the Ag Center again. That was a fun time for all of us, and we had less than 25 in attendance anyway. Besides, being inside is a better time to teach anyone that really needs help.

SO, I hope to be MUCH better next month. I have been on the FLDIGI, and am very happy with the guys that talk on there. I HOPE we don't mess with anyones' scanners on Thursday and Monday evenings, but it is part of Ham Radio and we DO need it for the Limerick drills every other year.

Thats all for now. Hope NO one else gets sick, it really sucks. The docs told me to self quarantine just in case and it IS better to be safe than sorry for the rest of you.

RON 73



Editors' Remarks

by Lori & Scott (KC3PCS) Scheirer

Wow, It's already coming into November. I hope everyone is staying safe. The numbers say that COVID-19 is rearing it's ugly bottom again.

I learned something this month about antennas from an unlikely suspect. A TV Antenna. We recently dropped cable. You know they say 500 channels, nothing on. They are right. Anyways, back to the point. I put the antenna and faced it southeast to get the Philly stations. Got 3, 10, 17, 57 and a few other locals. So I turned it just about 2-3 degrees to the north and wow what a difference. 14 more channels including 6 and 69 (the 2 channels I wanted). It just goes to show the difference that a few degrees can make. It also brings me to another point about antennas and cabling. We have an antenna pre-amplifier. Just changing the patch line makes a difference so cabling makes a huge difference especially for low power signals. I suggest if possible, rotate your HF antennas and see if you can make new contacts.

Now for my 2nd topic. I have to throw a shoutout to Harris, KC3PBI for his help on my go-kit and getting it working on FLDIGI. I know our club has a lot of members but this shows that it doesn't matter how long you've been a member or licensed. We can all be valuable in our own capabilities. Never be afraid to ask for help. I know Harris is working on a "Show and Tell" for the Thursday night FLDIGI nights.

I regret to inform everyone that the committee that organizes our picnics and dinners has cancelled the Christmas dinner due to the COVID-19 virus. At this point, this seems like a good idea.

At the last meeting we had 10 people test and I'm happy to say that EVERYONE passed their initial test. As an ARRL VE, and part of the RRC VE Team, I'm always happy to tell a candidate that they've passed. We always recommend trying the next test to see what it's all about. What excites me even more is that I've heard 3 of those members on the air with their new call signs.

See you all at the meeting!!!

Lori & Scott
Editors

DIGITAL MODES BY HARRIS UPHAM, KC3PBI

Jump in, the water is
01100110 01101001 01101110 01100101

*A brief survey of software for amateur radio digital modes, Late 2020
Harris Upham KC3PBI*

Digital modes* in amateur radio have changed and grown over the years. There are many new modes and plenty of experiments underway every day. Here I hope to brief the reader on just a few of the software-based ham activities that are popular today.

FLDIGI is the “Fast and Light Digital” communications suite and it is now a heavyweight in this space, encompassing many individual digital modes in one terminal program. There are many elements to the FLDIGI system but a lot of effort has been put into making things easier for beginners and adding convenience for more experienced operators.

The core FLDIGI program is essentially a terminal window. You type things into the send window, you read replies in the receive window. There is a bandscope and waterfall to visualize conditions around the operating frequency, and onscreen buttons to set the mode and control your radio.

Most of the modes built into FLDIGI allow for free-form keyboard to keyboard conversation. Some of them feature multiple simultaneous decodes, so that you can ‘hear’ several SSB stations sending simultaneously on different offsets from your operating frequency. This makes for a useful realtime group chat.

On RRC Thursday night digital nets, we usually just practice calibrating our station audio levels and then send brief messages back and forth simplex-style; a limitation of using FM radios. The skills learned to make FLDIGI work on a starter radio like the Baofeng UV5R will directly transfer to a nice HF/SSB radio later.

There are other uses for FLDIGI on HF bands. It isn’t hard to find contacts and weekly nets operating in various modes. Of note, the Pennsylvania Narrowband Emergency Management System has a net on Sunday mornings at 7:30 on 3.583MHz.

WSJT-X is a newer program with a different focus entirely. Again, several modes are included but they all have something in common: incredible power economy. Among them, FT8 enjoys the most popularity. FT8 utilizes a brutally efficient modified frequency shift keying system (MFSK) to achieve amazing results- it is common to copy distant signals perfectly from below the noise floor!

A frequently cited downside is that FT8 enforces a very rigid structure to the QSO; it’s very bland and canned. You exchange grid locators, signal strength and happy wishes 73s, and that’s it! From 1st CQ to filling out the logbook might only be a minute.

What’s great is that you’ll *always* find a ready contact, so whether you’re looking to evaluate band conditions or you just want to test an antenna adjustment you will get results without a long wait. If you just want to make a lot of contacts the party never ends.

Digital Modes Continued from Last Page

While WSJT-X is most commonly used for FT8 on SSB, but also includes modes intended for Earth-Moon-Earth (EME) operation and more.

JS8Call is the new kid on the block. It is a development built on top of WSJT-X, with a different operational focus.

JS8Call employs the radical power efficiency of the WSJT-X MFSK transmission scheme, but opens up the structure of the QSO. Rather than being limited to a preprogrammed exchange, you can use this for keyboard-to-keyboard free text chat. This mode is very new, and isn't nearly as busy as FT8 so you may wait longer to make contact.

JS8 includes a store-and-forward feature, whereupon messages can be automatically relayed and held for unavailable stations.

In a nutshell, FLDIGI is a swiss-army-knife that will let you do many forms of text, file and image transfer over analog FM & SSB radios. WSJT-X is focused on quick contacts and generating band propagation data. JS8Call is fun for reliable DX text comms even in adverse band & QRM conditions.

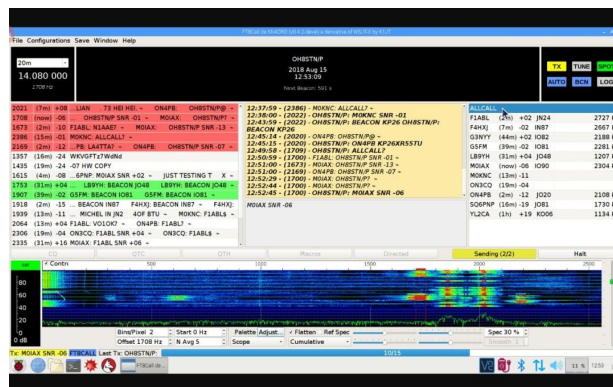
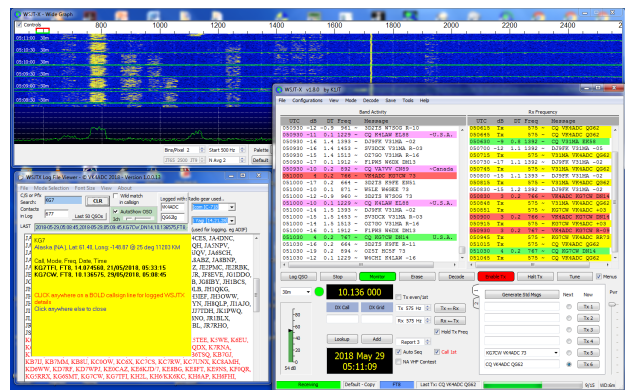
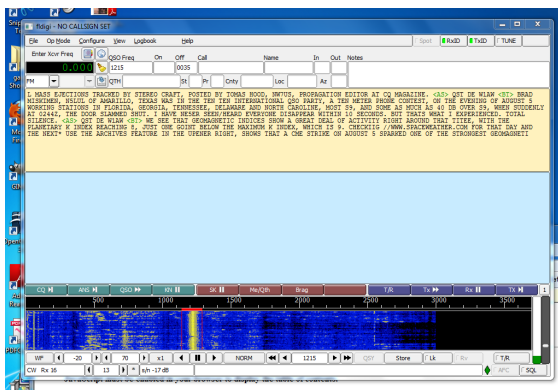
Associated Links:

FLDIGI <http://www.w1hkj.com/>

WSJT-X: <https://www.physics.princeton.edu/pulsar/k1jt/wsjsx.html>

JS8CALL: <http://js8call.com/>

*As distinct from **DMR**, Digital Mode Radio.



RRC VE TEST SESSION October 9th, 2020

By Harry Hoffman, W3WJC

10/13/2020

On Friday evening, October 9, 2020 the Reading Radio Club sponsored its 100th Volunteer Examiner Amateur Radio Test Session. The Test Session was held prior to the RRC General Meeting in the Freight Station at Heritage Park in Sinking Spring, PA. There were ten candidates in attendance. We started early, about 5:45 p.m., as the candidates began to arrive.

The Test results were as follows:

7 – Technician Class

3 - General Class

The candidates came from Hamburg, Hunlock Creek, Lenhartsville, Newmanstown, Reading, Reinholds, Shillington, West Reading, and Wernersville. The candidates were invited to stay for the RRC General Meeting to follow at 7:30 p.m. The candidates were all invited to join membership in the RRC.

Our Volunteer Examiners for this test session were: Harry Hoffman, W3VBY; Nate Rosenthal, N2ADD; Scott Scheirer, KC3PCS; and Ron Waszk, K3RJW.

Thanks to our VE Team for a job well done. The test session was completed by about 7:05 p.m. The test materials were packaged and delivered to the Sinking Spring Post Office on Tuesday morning October 13th for shipment by Priority Mail to the ARRL/VEC. Note: The Post Office was closed on Monday for the Columbus Day Holiday.

The next VE Test Session will be held at a later date to be announced.

If you need more information on Amateur Radio testing or wish to register for an exam call the VE Team Liaison, Harry Hoffman, W3VBY at 610-678-8976 or send an E-mail to harryhoffmanjr@juno.com. The cost for participating in a test session this year is \$15 payable by check to the ARRL/VEC.

73, Harry Hoffman, W3VBY

50 YEARS AGO BY RICH AHRENS, W3WJC

**50 YEARS AGO IN THE RRC - SEPTEMBER 11, 1970
A LITTLE LATE - WHAT ARE 2 MONTHS OUT OF 50 YEARS**
=====

By: Rich Ahrens, W3WJC, RRC Historian (10.05.2020)

The officers serving the Reading Radio Club, Inc. in September 1970 were:

President - Rich Ahrens, W3WJC
Vice President - John Freeman, K3CBE
Secretary - Al Brailer, W3UQC, (SK)
Treasurer - Frank Esseluhn, K3MGO, (SK) (Not a BOD Member)

Other RRC Board Members serving the RRC in September 1970 were:

Bill Ader, WA3GTR (SK) Art Gantert, W3OLG (SK)
Gerry Baldauf, W3WX (SK) Leo Hood, WA3FBP (SK)
Russ Frederick, W3CDS (SK) Bob Wagner, W3GII (SK)

The Editor of the October 1970 READING RADIO CLUB BULLETIN was William "Bill" Ader, WA3GTR, (SK).

The following is, in a large part, the republishing of the "Highlights" of the September 11, 1970, monthly meeting taken from the October 1970 issue of the RRC BULLETIN, and written by the RRC Secretary Al Brailer, W3UQC, (SK). Other information has been added that has been taken from the RRC BULLETIN, personal notes, and meeting agendas.

The Friday September 11, 1970, monthly meeting was held at the Met-Ed Auditorium located on Rt 61, the Pottsville Pike in Muhlenberg Township. The UGI Flame Room was not available this month.

Approximately 40 members were in attendance. In addition, there were five members of the Phil-Mont Mobile Radio Club, who came to Reading from the Philadelphia area with the Phi-Mont Communications Bus. (A converted yellow school bus).

President Rich Ahrens, W3WJC, opened the meeting at 8:00 p.m.

Door prizes were won by John Freeman, K3CBE; Greg Weiler, K3MGQ, and Ed Kennedy, WA3FSL.

The highlight of the meeting was an address by Jim Spencer, W3QQH. Jim described the details of the Phil-Mont Communications Bus. The bus was parked on the parking lot for our inspection.

The Phil-Mont Club members also brought along their famous motion picture, "A Moment to Remember" which is the story of Phil-Mont's role in providing emergency communication during the August 1955 flash flooding which occurred in Stroudsburg, Pennsylvania.

(Continued on Next Page)

(50 Years Ago Continued)

After the film was shown, we were invited to inspect the Communications Bus which has Amateur Radio equipment for 2 and 6-Meters AM and FM, and a Heathkit SB-101 HF SSB Transceiver. Also included are RTTY receivers and commercial equipment for the monitoring of police, fire, and the PA Turnpike communications. All power is derived from an installed 5 kW gasoline fueled generator.

President Rich Ahrens, W3WJC, announced that the Friday October 9, 1970, meeting will be held at the new Eastern Area Civil Defense Headquarters, located at the Hamburg Pennsylvania State Hospital.

When you get close to the Hospital you will see the two sixty-foot towers, 149 feet apart to accommodate the 75 Meter dipole. The meeting starts at 8:15 p.m.

The Transmitter Hunt Committee announced the results of the September 3, 1970 Transmitter Hunt:

Thursday September 3, 1970
Near Mohnton
1st K3JSW - 41 Minutes
2nd K3RQL

RRC Transmitter Hunts are tentatively scheduled for Sunday September 13, and Sunday September 27, 1970.

Rich, W3WJC, announced that the Friday November 13, 1970, meeting will be held at the UGI Auditorium and that nominations for candidates will be accepted for three BOD positions.

The incumbents whose terms expire on December 31, 1970, are:
John Freeman, K3CBE; Al Brailer, W3UQC, & Russ Frederick, W3CDS.

Ballots will be mailed to members in good standing and will be tallied at the Friday December 11, 1970 Annual Membership Meeting, at which time, nominations for the election of 1971 RRC Officers will take place.

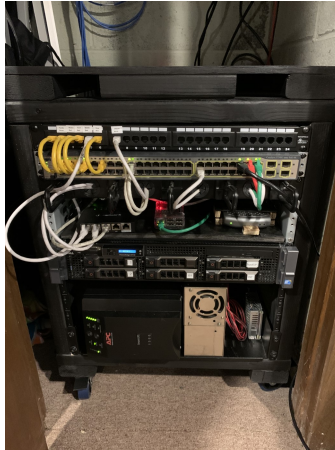
Reading Radio Club President Rich Ahrens, W3WJC, adjourned the meeting, for a time of fellowship and refreshments.



Reading Radio Club
September 11, 1970

Shack Of The Month

This month's shack comes from Jon Durand, N8EUL.



Shack gear:

The whole system is powered with a Samlex 1223 23A power supply which is behind the wall to the left of the photo in the server rack. This goes into a West Mountain Super PWRGate PG40, hooked up to a 14Ah SLA Battery, and distributed power via K9JEB Powerpole distribution box.

Radio-wise is the following:

- Kenwood TM-V71A (2m/70cm)
- TYT TH9000D (1.25m)
- Uniden Bearcat BC796D Scanner
- Kenwood TS-830S (HF)
- Jumbospot DMR Hotspot (tucked up the speaker)
- Kenwood TS-480SAT (Not pictured)

Also on the desk is a Cisco SPA525-G2 VoIP phone used with Hamshack Hotline and AREDN Mesh.

Antennae (all in attic)

- Twinlead J-Poles for 2m/70cm & 1.25m
- End-Fed for HF
- Planar Disk Antenna for scanner

Red Rose Repeater Association Welfare Net

Hear Ye, Hear Ye,

Have you heard about the Red Rose Repeater Association's Welfare Net?

This net takes place every day at 7:45 pm on the W3RRR repeater (147.015 Mhz PL Tone 118.8 hz)

Per their website:

"This serves as a public notice for amateur radio operators in the area of Lancaster County (including those on the fringes of the repeater footprint). There will be daily nets on our 2m repeater, named the 'Welfare Net'. The purpose of this net is to daily bring together the local amateur radio community and allow for round-table updates with respect to this area. If you are concerned, if you have input, please tune in to our VHF repeater every evening 1945EDT for a brief Wellness and Welfare update. Hosted by RRRRA just to give everyone in the listening are a chance touch base amid the current COVID-19 situation. Drop in, connect and say 'HI'! If you have neighbors in your immediate area with a specific need, this might be an opportunity to share and provide needed relief. "

Participants are encouraged to offer information and/or observations with respects to where they are located.

Be sure to check in if you can. Let's help them make this a great resource during the COVID 19 outbreak.

TRIVIA

**IN HAM LINGO, WHAT IS AN 807
AND WHERE DOES IT ORIGINATE?**



807 means a beer. It comes from the 807 tubes which had a beer bottle shape.

Meeting Highlights

September 4th, 2020, 7:30 pm @ Heritage Park, Sinking Spring, PA

RRC MEETING HIGHLIGHTS OCTOBER 9, 2020

By: RRC Secretary Harry Hoffman W3VBY.

The Friday evening October 9, 2020 RRC General Meeting was held in the Freight Station at Heritage Park in Sinking Spring, Pa.

NOTE: This was our second in-person RRC General Meeting since the Ag Center Main Auditorium was closed on March 2020 due to COVID-19 restrictions.

Masks must be worn.

A VE Test Session was held starting about 6 p.m. with 10 successful candidates. The Amateur Radio Licenses earned were: 3 General Class and 7 Technician Class.

1. Prior to 7:30 p.m. Jim Nicholas, W3ITH, was taking attendance.
2. RRC President Chris Schlegel, K3ADA, called the meeting to order at 7:30 p.m. In attendance were 15 RRC members and 5 guests for a total of 20.
3. RRC President Chris Schlegel, K3ADA, led the group in the pledge to the American Flag.
4. The RRC members and guests introduced themselves. The guests were: Elan Lift (Speaker); Mike Lubic, (new Tech); Joe Morrissey (new Tech); Lori Scheirer; Bruce Zanders (new General); and “Jasper” (K4AJZ, Janine Galiyano’s service dog).
5. RRC President Chris Schlegel, K3ADA, presented RRC Associate Member Letters to Allen Hewitt, KC3EWJ; and Michael Cholewa, N3YQG. Welcome to the RRC !
6. An RRC Associate Member Letter was presented to Bob Warner, KC3OWK, at the VE Test Session. He passed his General Class License exam, but could not stay for the RRC General Meeting. Congratulations !
7. Jim Nicholas, W3ITH, asked if we should still have the RRC Christmas Party at Wegmans scheduled for Saturday December 12th. After some discussion we all agreed that the event should be cancelled.
8. RRC President Chris Schlegel, K3ADA, and Ron Waszk, K3RJW, spoke about the assistance they gave to PACSAR in getting their mobile repeater and hand held units working properly. PACSAR - Pennsylvania Canine Search and Rescue is a group of highly trained and certified volunteers that offer Search and Rescue Services.
9. The entertainment for tonight; was a presentation by Elan Lift on “How We Get To Space”. Elan is President of the Berks County Amateur Astronomical Society. Outer space is defined as 62 miles above sea level. Our Earth is planet #3. Elan showed a great series of visual presentations on the screen along with his interesting verbal explanations. He spoke about

(Meeting Highlights Continued on Next Page)

(Meeting Highlights continued from last page)

telescopes and that the light we see beyond our solar system is ancient. He also showed many versions of rockets used to travel to outer space. Thank you for a wonderful presentation!

10. Our next RRC BOD Meeting will be held on Tuesday evening, November 10, 2020 by ZOOM starting at 7:30 p.m.

11. Our Next RRC General Meeting will be held on Friday November 13, 2020 at the Ag Center Main Auditorium starting at 7:30 p.m. The entertainment will be a presentation by RRC President Chris Schlegel, K3ADA, on lead acid storage battery manufacturing.

12. RRC President Chris Schlegel, K3ADA, adjourned the meeting at 9:00 p.m. for a time of fellowship and refreshments.



M.O.T.A.

RRC MEETING ON THE AIR (RRCMOTA)

=====

By: Rich Ahrens, W3WJC

(10.17.2020)

Check into the **RRC MEETING ON THE AIR** on the Friday evenings that we do not have an in-person meeting. The net, on 146.91 MHz, starts at 8:00 p.m. with the latest AMATEUR RADIO NEWSLINE REPORT from the West Coast.

We then have an exchange of information that may be of interest to the members of the Reading Radio Club as well as those that are not RRC members.

The last part of the net is a roll call where we usually have 13 to 56 stations check-in and test their FM analog equipment.

The **C**ontinuous **T**one **C**oded **S**quelch **S**ystem, (CTCSS) frequency is 131.8 Hertz (3B). The CTCSS is often referred to as "PL" (Motorola's trade name) or "Channel Guard" (Ericsson/GE's trade name).

The net has been in operation since Friday January 21, 1994, when we had 13 check-ins during that first session, over 26 years ago.

On Friday October 30, 2020, we had session number 1138, and Dave Wiley, K3MXS, was the Net Control.

The next RRCMOTA will be on Friday November 6, 2020, starting at 8:00 p.m. on the Reading Radio Club 146.910 MHz W3BN analog repeater. Art Becker, KB3LDI, will be the Net Control for session number 1139, on Friday November 6, 2020, starting at 8:00 p.m. local time.

NOTE: As announced in the October 2020 issue of the RRC BULLETIN, (page 5), there is an in-person RRC meeting scheduled for November 13, 2020, and December 11, 2020, at the Berks County Agricultural Center, in Bern Township. Put the following address in your GPS device or GOOGLE MAPS:

1238 County Welfare Road Leesport PA

FYI: AMATEUR RADIO NEWSLINE is the "Amateur Radio's independent on the air news and bulletin service" and is not a service of the American Radio Relay League. (ARRL).

Everyone, RRC Members and those that are not members,
are invited to tune in and check into the,

READING RADIO CLUB MEETING ON THE AIR

=====

50 YEARS AGO BY RICH AHRENS, W3WJC

50 YEARS AGO IN THE RRC - OCTOBER 9, 1970
THIS IS CALLED CATCHUP

=====

By: Rich Ahrens, W3WJC, RRC Historian

(10.09.2020)

The officers serving the Reading Radio Club, Inc. in October 1970 were:

President - Rich Ahrens, W3WJC

Vice President - John Freeman, K3CBE

Secretary - Al Brailer, W3UQC, (SK)

Treasurer - Frank Esseluhn, K3MGO, (SK) (Not a BOD Member)

Other RRC Board Members serving the RRC in October 1970 were:

Bill Ader, WA3GTR (SK)

Art Gantert, W3OLG (SK)

Gerry Baldauf, W3WX (SK)

Leo Hood, WA3FBP (SK)

Russ Frederick, W3CDS (SK)

Bob Wagner, W3GII (SK)

The Editor of the November 1970 READING RADIO CLUB BULLETIN was William "Bill" Ader, WA3GTR, (SK).

The following is, in a large part, the republishing of the "Highlights" of the October 11, 1970, monthly meeting taken from the November 1970 issue of the RRC BULLETIN, and written by the RRC Secretary Al Brailer, W3UQC, (SK). Other information has been added that has been taken from the RRC BULLETIN, personal notes, and meeting agendas.

The Friday October 9, 1970, monthly meeting was held at the new Pennsylvania Eastern Area Civil Defense Headquarters at the Hamburg State Hospital, Hamburg, Pennsylvania.

RRC President Rich Ahrens, W3WJC, opened the meeting at 8:15 p.m.

Approximately 30 members were in attendance

RRC President Rich Ahrens, W3WJC, announced that the following RRC members have volunteered to serve on the following 1971 RRC Committees:

TVI

Dave Schearer, K3SWL/K3BN

Lloyd Hartman, K3RQL

George Ganter, K3YIZ

TRANSMITTER HUNTS

Dave Schearer, K3SWL/K3BN

Leroy Flamm, K3MNI

Lester Hoffman, WA3LOY

BUILDING SITE

Bill Ader, WA3GTR

Russ Nagle, WA3BHF

REPEATER MAINTENANCE

Rich Ahrens, W3WJC

Bob Plummer, W3ETJ/W3RP

Duane Redline, W3UQH

Rian Robison, W3EMW

Carl Baer, W3YRT

(Continued on Next Page)

(50 Years Ago Continued)

RRC BULLETIN

Bill Ader, WA3GTR
John Freeman, K3CBE
Rich Ahrens, W3WJC
Al Brailer, W3UQC
Bob Wagner, W3GII
Jerry Baldauf, W3WX
Stew Ringler, W3UQC

FIELD DAY 1971

John Freeman, K3CBE
Bob Plummer, W3ETJ / W3RP
Jim Stamm, WA3KBH
Bill Ader, WA3GTR
Sam Rachlin, K3ALQ
Bill Schwartz, WA3MAQ

MEETING HIGHLIGHTS

Al Brailer, W3UQC
John Freeman, K3CBE
Dick Fegley, WA3BHE
Harry Brooke, WA3ETI

PICNIC & BANQUET

Stew Ringler, W3EYN
Bill Schwartz, WA3MAQ
Ed Kennedy, WA3FSL
Harry Brooke, WA3ETI
Lew DeAngelo, K3EUH

Rich, W3WJC, thanked all these volunteers and suggested that the committees meet during January 1971 and select a Chairperson or Co-Chair.

Nominations for the RRC Board of Directors will be accepted at the Friday November 13, 1970, monthly meeting from those members that are in attendance. The present Board Members are:

<u>NAME</u>	<u>TERM EXPIRES</u>
Al Brailer, W3UQC	December 31, 1970
Russ Frederick, W3CDS	December 31, 1970
John Freeman, K3CBE	December 31, 1970
Rich Ahrens, W3WJC	December 31, 1971
Bob Wagner, W3GII	December 31, 1971
Leo Hood, WA3FBP	December 31, 1971
Art Gantert, W3OLG	December 31, 1972
Jerry Baldauf, W3WX	December 31, 1972
Bill Ader, WA3GTR	December 31, 1972

The Transmitter Hunt Committee announced the results of the September 13, 1970, and the October 4, 1970 RRC Transmitter Hunts:

Sunday September 13, 1970

Transmitter hidden By K3SWL (Now in 2020 - K3BN)
In the Tulpehocken Park

- 1st K3SWL & XYL - 24 Minutes
- 2nd K3YIZ
- 3rd WA3JMY & WN3OGV
- 4th W3UCA & Family
- 5th WA3LOY

Sunday October 4, 1970

Transmitter hidden by K3RQL & W3ETJ (Now in 2020 - W3RP)
Along Schweyer Road, between Hartman & River Roads.

(Continued on Next Page)

(50 Years Ago Continued)

- 1st W3UCA & Son – 29 Minutes
- 2nd K3RQL & W3ETJ (Now in 2020 - W3RP)
- 3rd K3MNI & Family

Another RRC Transmitter Hunt is tentatively scheduled for Sunday October 18, 1970.

President Rich Ahrens, W3WJC, announced that the Friday November 13, 1970, meeting will be held at the UGI Auditorium. The guest speaker at that meeting will be Mr. William E. Beadle, a Supervisor in the Integrated Circuits Group from the local Bell Telephone Laboratories with facilities in the Western Electric Plant, which is located at the end of 11th Street in Muhlenberg Township. Mr. Beadle's topic will be the story of the AT&T Picturephone Developmental Project and the components that are manufactured at the Reading Western Electric facility.

Also, at the November 13, 1970 meeting nominations for candidates will be accepted for three BOD positions.

Ballots will be mailed to members in good standing and will be tallied at the Friday December 11, 1970 Annual Membership Meeting, at which time, nominations for the election of 1971 RRC Officers will take place.

Rich, W3WJC, announced that the 6-Meter repeater project is moving along at a great rate, with all the paperwork cleared out and all the antennas installed at Deer Path, as well as Mt. Penn. (Two 6 Meter ground planes, two 449 MHz beams and two 449 MHz ground planes. Get your rigs on frequency with crystals for 52.575 MHz transmit and 52.640 MHz receive.

Rich, W3WJC reminded everyone to save the copy of the RRC BY-LAWS that will be included in the November 1970 RRC BULLETIN, on pages 6 through 11.

RRC Treasurer Frank Esseluhn, K3MGO, gave a short talk on hosting several Hams from Germany – DL1QK and DL2EA, on September 12, 1970. During a buffet dinner at Frank and Carol's home we learned a lot about the Deutcher Amateur Radio Club (DARC) and how this national organization works in Germany. Bill Ader, WA3GTR; Dick Pomeroy, K3RP; Rich Ahrens, W3WJC, and their significant others had an enjoyable evening and learned a lot of useful information about Amateur Radio in Germany.

Reading Radio Club President Rich Ahrens, W3WJC, adjourned the meeting, for a time of fellowship and refreshments.



Reading Radio Club
October 9th, 1970

HELPING HAMS

Have an idea that would help other hams? Are you a ham with a question that has stumped you? Do you have equipment you need to test, but aren't sure how, or if you have the parts to test it with? This is the section for you. In this section, we will post requests for help / offers for help. Please send your questions or suggestions to kc3pcs@gmail.com. We will post solutions here when appropriate.



Repeaters & Nets

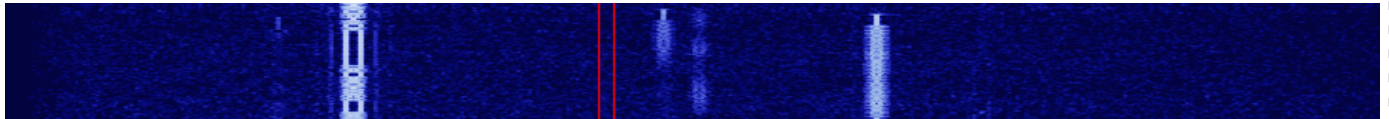
ACTIVITIES ON THE RRC REPEATER
146.910 MHz RPTR - CTCSS = 131.8 Hz (3B)

=====

QCWA READING CHAPTER 31 NET
Mondays at 9:00 p.m.

RRC MEETING ON THE AIR NET (RRCMOTA)
Fridays at 8:00 p.m. (Started January 1994)
(Other than Club meeting nights)

THE THREE MINUTE TIMER IS PRESENTLY DISABLED



***** DIGI Net *****

Run by Harris, KC3PBI, Thursdays at 7:30 PM on the W3BN Repeater.

Check in and learn how to use FLDIGI and the digital modes.

ARES/RACES Repeater
County of Berks

Weekly Net—Monday's 8 PM.

147.18 (PL Tone 110.9)
All are welcome to check in and pass along information.

● Digital FM net on Thursday Evenings at 7 PM using the Brandmeister PA
● Crossmode Talkgroup 31425. All amateurs are welcome.
● We can communicate using just about every digital mode. Visit the EPA Section
● Webpage, <https://epa-arrl.org> for more information.



Please note: Ads placed here will run for 2 bulletins unless you let the editor know you still want them posted, deleted, or changed.

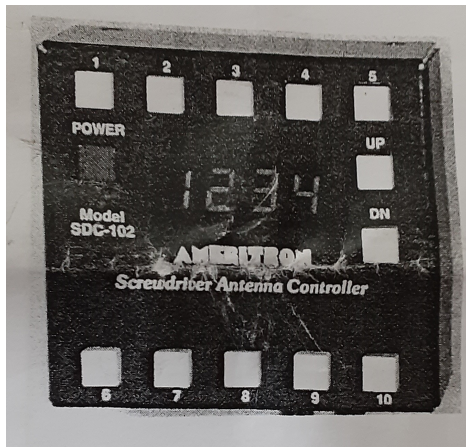
Please Note: The Editors and/or RRC are not responsible for items listed on this page.

Descriptions & Pictures are supplied by the Seller.

Does anybody have the push button controller in the picture. I would like to buy it.

Don Mckinney, W3FCT

610 693 5945



Membership Statistics

Send all license and mailing address changes to:
 RRC Treasurer Nate Rosenthal, N2ADD, at NateØ1PA@comcast.net or N2ADD@arrl.net
 Please let us know if you upgrade your license. Email to Scott, KC3PCS, and Lori at
 KC3PCS@gmail.com with updates.

By: Rich Ahrens, W3WJC - RRC Historian

(10.17.2020)

STATS AS OF NOV. 1, 2020

Full Voting Members: 67
 Associate (Non Voting) Members: 20
 Supporting (Non-Voting) Members: 2
 Total: 89

1/4 of Full Voting Members
 required for a quorum. (17)

52 RRC Members are members of the ARRL (58%).

89 RRC Members receive the RRC BULLETIN via email (100%).

78 RRC Members have a Broad Band ISP (88%).

"Honorary Membership for Life"

Jim Nicholas, W3ITH

By RRC BOD action on December 8, 2009.

"Life Member"

Rich Ahrens, W3WJC

By RRC BOD action on June 6, 2006.

89 = Total RRC membership as of Nov. 1, 2020

91 = Nov. 2019	105 = Nov. 2008
92 = Nov. 2018	118 = Nov. 2007
85 = Nov. 2017	118 = Nov. 2006
77 = Nov. 2016	126 = Nov. 2005
82 = Nov. 2015	124 = Nov. 2004
86 = Nov. 2014	138 = Nov. 2003
87 = Nov. 2013	131 = Nov. 2002
87 = Nov. 2012	130 = Nov. 2001
88 = Nov. 2011	129 = Nov. 2000
97 = Nov. 2010	124 = Nov. 1999
102 = Nov. 2009	126 = Nov. 1998

There were 193 Members in 1978

Extra Class: 39 (44 %)

Advanced: 6 (7 %)

General: 23 (26 %)

Technician: 20 (22 %)

Novice: 0 (0 %)

No License: 2 (2 %)

May not total 100% due to rounding

Data may not be up to date

Checked FCC for upgrades Oct 17, 2020

By Rich Ahrens, W3WJC

RRC Calendar of Events

November 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 ARES/RACES 147.18 (8 pm.)	3	4	5 Digi Net 146.91 7:30 PM	6 MOTA (8 pm)	7
8	9 ARES/RACES 147.18 (8 pm.)	10 7:30 pm Board Mtg—Zoom	11	12 Digi Net 146.91 7:30 PM	13 7:30 pm Meeting AG Center	14
15	16 ARES/RACES 147.18 (8 pm.)	17	18	19 Digi Net 146.91 7:30 PM	20 MOTA (8 pm)	21
22	23 ARES/RACES 147.18 (8 pm.)	24	25	26 Digi Net 146.91 7:30 PM	27 MOTA (8 pm)	28
29	30 ARES/RACES 147.18 (8 pm.)					

PLEASE NOTE:

November 10th, 2020—Board Meeting 7:30 PM—Zoom

November 13th, 2020—General Meeting—Berks County AG Center 7:30 PM

Every Thursday 7:30 PM—Digi Meeting on W3BN Repeater

On the Fridays, that we do not have an in-person meeting we will have a "Reading Radio Club Meeting On The Air" (RRCMOTA) on the RRC 146.910 MHz repeater starting at 8:00 p.m. The CTCSS is 131.8 Hz.

October Birthdays:

READING RADIO CLUB, INC

2021 ANNUAL DUES NOTICE

The RRC 2021 annual dues are payable starting November 1, 2020. This is the only notice that will be issued. The dues are payable in full by January 1, 2021. The dues are unchanged from 2020 and are per the following schedule for Full and Associate members.

- UNDER 18 YEARS OF AGE, \$5.00\$ _____
OR
 - AGE 18 OR OLDER, \$21.00\$ _____
 - SUBSEQUENT FAMILY MEMBERS AGE 18, OR OVER, LIVING IN
THE SAME HOUSEHOLD – HALF RATE, \$10.50\$ _____
 - REJOINING, \$5.00 INITIATION FEE (Former members who did NOT
pay their 2020 dues)\$ _____

 - DONATION (Tax deductible – we are 501(c)(3))..... (OPTIONAL) \$ _____
- TOTAL \$ _____
-
-

Please complete the following information to insure credit to your membership account and to confirm our records. Also, if your US mailing address, email address, telephone number, or license class has changed in the past year, **please print** the new information on the “NEW INFO” lines below.

NAME: _____ CALL SIGN: _____

NEW INFO: _____

NEW INFO: _____

LICENSE CLASS: (circle one) EXTRA ADVANCED GENERAL TECHNICIAN NO LICENSE

LICENSE EXPIRATION DATE: _____

MEMBER OF THE ARRL: (circle one) YES NO EXPIRATION DATE: _____

INTERNET SERVICE: (circle one) BROAD BAND (DSL, CABLE) or DIAL-UP

EMAIL ADDRESS FOR THE RRC BULLETIN: _____

IF paying Treasurer at RRC Meeting please bring this form with you. Thank You!
PLEASE MAKE CHECKS PAYABLE TO: READING RADIO CLUB, INC.

IF MAILING PAYMENT, INCLUDE THE ENTIRE COMPLETED FORM WITH YOUR PAYMENT.

(DO NOT CUT FORM APART)

THE CLUB ADDRESS IS (USPS format):

READING RADIO CLUB INC
TREASURER
PO BOX 13777
READING PA 19612-3777

Thank you for your payment and continued support of the READING RADIO CLUB.

2021 Reading Radio Club – Meeting Dates at Ag Center 10/21/2020*

Tuesday – BOD Meeting - 7:30 PM in 4H Room or 1st Floor Conference Room	Friday – General Meeting 7:30 PM in the Ag Center Main Auditorium
(max 8)	(max 25)
January 5 th	January 8 th
February 9 th	February 12 th
March 9 th	March 12 th
April 6 th	April 9 th
May 11 th	May 14 th
June 8 th	June 11 th
July 6 th	July 9 th
August 10 th	August 13 th
September 14 th	September 17 th (3 rd Friday)
October 5 th	October 8 th
November 9 th	November 12 th
December 7 th	December 10 th

Ag Center Meeting Dates entered by Susan, Dawn, Lisa Hetrick, Penn State Cooperative Extension Office

Tel 610-378-1327 **FAX 610-378-7961** on 10-21-2020 (revised)*

(Dates & Meeting locations have been entered in the Ag Center schedule book)

(Ag Center Security Telephone # 610-373-0776 Ext. 2538)

From – Harry Hoffman RRC Secretary Tel 610-678-8976 FAX 610-670-0135

The AG Center address is: 1238 County Welfare Road, Leesport, PA. 19533

The Heritage Park / Freight Station - entrance is at the end of Clematis St (GPS: 992 Clematis St, Sinking Spring, PA. 19608)

The Reading Radio Club, Inc. is a support service of the Berks EMA and is supported by an organized group of local volunteers who are FCC Licensed Amateur Radio Operators.

Other Events:

(Field Day - June 26th-27st, 2021 at Heritage Park, Sinking Spring, PA) weekend

(Picnic – July 17, 2021 at Heritage Park, Sinking Spring, PA) - Saturday

(Hamfest – August 7, 2021 at Heritage Park, Sinking Spring, PA) - Saturday

=====

The PRIMARY purpose of The Reading Radio Club Bulletin, is to provide, to the membership, timely information about the activities of the Reading Radio Club, Inc.

IN ADDITION, the RRC BULLETIN provides an easily searchable and accurate historical record. The RRC strongly recommends membership in the American Radio Relay League (ARRL) as well as membership in a local Amateur Radio Club. The READING RADIO CLUB BULLETIN is copyright © 2020 by the Reading Radio Club, Inc. Opinions expressed in the RRC BULLETIN are those of the writers and do not necessarily reflect the opinions of the Reading Radio Club, Inc, the RRC BOD, or the RRC membership. Material from this RRC BULLETIN may be reproduced in whole or part, without Additional permission, if credit is given to the READING RADIO CLUB BULLETIN and the author.

=====

November 1st, 2020 - EMAIL VERSION STARTED ON FEBRUARY 10, 1998.
Circulation: Over 100 Members & Non Members, Clubs and Organizations.
THE FREQUENCY OF PUBLICATION IS MONTHLY.

=====

Got an idea or an article for the Bulletin? Be sure to send it to us kc3pcs@gmail.com. All submissions are welcome.



Deadline for the RRC bulletin is always the 25th of the month. However, earlier is better. Please submit to kc3pcs@gmail.com.