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**The President's Corner: David KI4W**

It was good to see all at the meeting a couple of nights ago. The newsletter editor needs my words of wisdom much sooner than usual so he can get the newsletter out right away due to an out of town trip. Therefore I will be brief and first of all thank Paul K4PGM for a great program at the meeting Monday night. I hope you all can attend next month because we have another great program on the agenda. Next month the past presidents will present a slate of officers for 2021 and then in November we will take nominations from the floor and take a vote.

If you are interested in holding an office contact one of the past presidents and they will let Dale AK4YS know who is heading up the committee to come up with a slate of officers for next year.

See you on the radio.

73 de ki4w ... \_.\_

CFARS Officers

President .....David KR4OE kr4oe@nc.rr.com  
 Vice Pres..... Dale AK4YS dale.mohr@yahoo.com  
 Sec./Treas..... Chuck KJ4RV kj4rv@arrl.net  
 Recorder.....Bill KJ4OFD kj4ofd@arrl.net  
 Newsletter Editor...Mike KN4XP kn4xp@yahoo.com



Coordinators

Membership.....David KR4OE kr4oe@nc.rr.com  
 Net Manager.....Chuck KJ4RV kj4rv@arrl.net  
 Emergency .....Mike K4JWX k4jwx@outlook.com  
 Information.....  
 Repeaters.....Ben KM4ODT bassettbw@aol.com  
 Sky Warn.....Jim KI4YRH ki4yrh@aol.com  
 Field Day.....George KM4ODS km4ods@gmail.com  
 Health & Welfare... Carl K4CFB carlbeene@gmail.com  
 VEC.. .....Pat N4UGH n4ughpat@aol.com  
 Swapfest .....David KR4OE kr4oe@nc.rr.com  
 Public Info... Marty W4MLW carolinapretzel@embarqmail.com

Club Repeaters

(PL 100 Hz)

**K4MN**  
 2 m 146.910/146.310  
 70 cm 444.400/449.400

**K4MN**  
 6 m 53.810/52.810

**WA4FLR**  
 2 m 147.330/147.930

**Club Membership**

**Dues**

CFARS club membership dues are due and payable in January each year. CFARS does offer you the option to pay your dues no later than March. Yearly dues are \$15.00. CFARS offers a lifetime membership option for \$150.00. If your dues are not paid by March you will not be a voting member of the club. The right to vote on issues for the club comes with club membership. PO Box 36106, Fayetteville, NC 28303



CFARS Club Patches are available for purchase. Contact **Chuck KJ4RV** for your patch today!

The Cape Fear Amateur Radio Society News is the official newsletter of the Cape Fear Amateur Radio Society. It is published monthly as a PDF. The newsletter is emailed monthly when the latest version is available. Please provide your email address to the Newsletter Editor. The CFARS News welcomes articles and other contributions. Please email submissions to the newsletter to cfarsnews@gmail.com. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's News is the last Friday of the preceding month. The views expressed in the CFARS News are those of the individual authors and do not necessarily reflect the views of the Editor or CFARS.



### September 2020 Club Meeting Minutes

The Monthly meeting of the Cape Fear Amateur Radio Society was held at the Peace Presbyterian Church on Ramsey Street at 7:30 pm Monday evening, September 21, 2020.

President David KI4W opened the meeting, welcomed all for coming and led the Pledge of Allegiance to the flag of our country. Paul K4PGM gave the invocation, and David KI4W led the introductions in the usual CFARS fashion.

Marty W4MLW and Jim KI4YRH moved to accept the minutes of last month's meeting and the minutes were

approved.

#### **COMMITTEE REPORTS:**

**Treasurer:** Chuck KJ4RV gave the Treasurer's Report. the club is in good shape financially.

**Net Manager:** Chuck KJ4RV gave the Net Manager report, Times and traffic are up from July to August. These are our repeaters, let's keep them active.

**Health & Welfare:** Carl K4CFB was not present for the Health and Welfare report, David reports that all are ok. Someone asked to the condition of Elton W4VGW, we will give him a call to see how he is doing.

**Repeater:** Ben KM4ODS is in Virginia with family, Mike K4JWX reported the repeaters were all doing well.

**Membership:** David KI4W said we have several new members, none were present. Life Membership for Travis Bell KM4JJJ, Victoria Wilson KD2TYQ, and Blake Wilson KD2OUG. We have your membership packages, come and fetch them.

**Field Day:** Field Day results have not been published yet.

**Swapfest:** David KI4W mentioned the South Wake ARS would be having a tailgate in Raleigh this Saturday. Information is available on their Facebook page as to place and time.

**Emergency Coordinator:** Emergency Coordinator Mike K4JWX said that due to the current health crisis there were no FEMA or AUXCOMM classes being done by the state.

**Public Relations:** Marty W4MLW had no report regarding Public Relations.

**VE Testing:** Pat N4UGH was not present. Our next VE Test Session will be October 10 at the Cumberland County Shrine Club. Study up and get your upgrade ticket.

Newsletter Editor Mike KN4XP and Webmaster Steve KI4EZL were not present, both are grateful for any information or articles for inclusion to the newsletter or website.

**Possum Trot Net:** Ron K4FET reported the check-ins to the Possum Trot net were down the past couple of weeks due to the holiday, but hopes they get back to their usual numbers. George KM4ODS reported the 10-10 Possum Trot chapter nets were up and doing well. The nets are Tuesday evening at 8:00 pm on 28.150 for CW; and Wednesday evening at 8:00 PM on 28.345 for SSB. We would love to hear you on either or both bands and modes. Warm up them radios and get on the air.

**Old Business:** David KI4W reported on the two generators donated to the club recently, one is in the storage building, the other is a work in progress, but we need to contract Ryan KN4WNH for status on the other. David KI4W announced that Dale AK4YS would be heading the Past Presidents Committee for new officer candidates for 2021. A slate of proposed officers will be presented at our next meeting, voting to be held in November. If you would like to hold an office in the club, contact Dale AK4YS or any of the past

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presidents and let them know. Pete K4QFK asked last month how to get into the Repeater Room at Methodist University. David KI4W has contacted our contact at Methodist and we can get in between 7:00 am - 3:30 pm M-F. We have a couple of rack mounts, a workbench, and many club awards still in the room. We will make arrangements to get the room cleared and the equipment placed in the storage building sometime in the next several weeks.

**New Business:** None.

**Program:** Dale AK4YS introduced Paul K4PGM for the presentation. Paul gave an excellent presentation of Grounding and Bonding, how to do it, and why we need to do it.

**Announcements:** None.

**Door Prize Drawing:** Marty W4MLW put the following prizes on the table, to be selected on a first come, first served basis. Numbers were drawn from Ye Olde Coffee Canne and Paul K4PGM selected a mystery gift donated by Larry N4USB: a quart of homegrown honey. Jeremy KN4JUY selected an antenna built by Van N4ERM and Larry N4USB. Ron K4FET selected a \$50 ARRL gift certificate donated by David KI4W. David KI4W and Howard KZ8L both selected the remaining prizes; 2 12V gel cell batteries.

Fred N4ZCG moved to adjourn the meeting, Jim KI4YRH agreed, and David KI4W closed the meeting at 8:30 pm. We had 22 members present for the meeting.

Bill KJ4OFD, Recorder

## Software Defined Radio

By

Ben Bassett, KM4ODT

One of the most popular uses amongst Hams is as a panadapter (The *pan-* prefix means *all*, as in *panoramic*, *pandemic*, or *Pangaea*). A panadapter is a device that connects to a standard hardware radio and allows you to visually see the amplitude of RF signals, and on a waterfall (time domain). Since most SDR applications run on various computer types they can display a panadapter screen. Most software like SDR#, HDSDR, SDR-Console, and my favorite SDRUno already provide this. If you have a legacy radio that you love, or it's not in the budget to replace your radio for one with a built-in panadapter, then this is the perfect alternative. Just scour the internet forums and YouTube. I would venture to say that someone has already done the heavy lifting on how to get your radio up and running with a low cost panadapter.

The screen shot below was taken while using is the SDRUno provided by SDRPlay. Note the second small window on the bottom has an option to add multiple variable receivers (VRX). You can view and demodulate as many signals of interest as your processor can handle, however they must occupy the same 10MHz of bandwidth.



Every major amateur radio manufacturer has a professional grade SDR Transceiver in their inventory. This is not a review so I will not suggest any radio, but I will tell you that they are generally feature rich radios that don't disappoint. Additionally, the ability to get firmware and software updates has never been easier. I was able to add AM to the modes of my (HF) SDR transceiver with a simple download from the manufacturer.