



THE RICHMOND HAM

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November 2019

THE RICHMOND AMATEUR RADIO CLUB will meet Friday, November 8th 2019, 7:00PM, at King's Korner restaurant, 7511 Airfield Drive.

Coming Events:

RARC VE testing session November 9th

Radio Makers Fest, Saturday November 9th

This Month's Program:

Dr. Marcella Fierro, the XYL of RARC member Dr. Bob Fierro, KG4ZIK, is a forensic pathologist and served for many years as the Chief Medical Examiner for the Commonwealth of Virginia.

Richmond Amateur Radio Club

Meeting Minutes

October 11th, 2019

The regular meeting of the Richmond Amateur Radio Club was called to order at 19:00 on October 11th, 2019 at Bon Air United Methodist Church by President John DeMajo, (K5HTZ).

Members Present

All present signed RARC Log Book

Last month's Minutes – Motion to accept by Mac McNeer, seconded by Dr. Joe Palsa (K3WRY), approved unanimously.

Treasurer's Report

1) Ken Leidner, (WV0L) gave the Treasurer's Report. We had an ending balance of \$11,983.49 The Report was approved unanimously.

2) Ken then recognized this year's members who have passed away with the Silent Key Ceremony. SK's were: Bob Williams (AA4SP), Harry Miller (W4PDX), Pat Wilson (W4PW), Zeke Zeanon (KJ4ASG).

3) Ken presented new membership applications: Samuel Brandon (KN4YEN), Raymond Carpenter (KE8MYH), Dennis Cogswell (W4ODY), Guyon Cumby III (KN4YEQ), Cindy Johnson (KN4YEO), Keyshawn Simmons (KN4YET), Joseph Lawson (KN4YES), Jeffrey Manning (KN4YEP), Emilee Simms (K4EMI),

Thomas Penders (K4TMP), Charles Smith (KN4YEL), Jeffrey Woessner (KN4YEK), Gabriel Wilson (KN4YEJ), Darrell Young (KN4YEM), Edward Hlywa (KA4IBG). Motion to accept by Mac McNeer and second by Bruce MacAlister, passed unanimously.

Committee Reports

1) Maker Fair at the Southern Railway Historical Society: November 9, 11-4 pm

2) ARRL/ARES Dr. Joe Palsa (K3WRY): An AUXCOMM training session has been scheduled for 11/15-17/19 at the Fairfax County Public Safety HQ. VDEM has signed a MOU with VA ARES, further information is on the VA ARES Facebook page.

3) Field Day of the Past: President John DeMajo, (K5HTZ) reported that approximately 10,000 people were in attendance. The Voice of America 75th Anniversary Special Event Station was one of our contacts

4) Annual Banquet: Win Grant (W4WIN) has secured a speaker and the Banquet will be held November 8th at King's Korner, Chesterfield Airport.

5) Maker's Group: Ken Zutavern (K4ZUT); Makers group meets monthly in Ken's garage. Contact him for information and directions.

Adjournment

Meeting was adjourned by voice vote.

Program

Rick Waller, KA4OHM presented an "Introduction to HF operating"

The next general meeting will be our Annual Banquet, 19:00 on November 8th, 2019 at King's Korner.

Minutes respectfully submitted by: David F. Robinson, (KJ4LHP),

From The Prez

I hope that the past year has been a good and productive one for everyone. I want to express my gratitude to the membership for electing me to another term as your president, and I hope to make it another memorable year for the organization. Although I am still relatively new to Richmond, my experiences with other hobbyist clubs to which I have belonged, has shown me that the RARC is a well organized club that has something to offer everyone. Our license school is top-notch, our Builders' group offers an opportunity for those who like to build and modify equipment, and our testing program could be considered a model for any VE group in the country. Our monthly educational programs, that follow our monthly meetings, are also important. Accolades to all those who chair and work in keeping those programs available.

In the coming year, I plan to start a serious outreach to the area schools with the intention of bringing more young people into the hobby. Our affiliation with the Goochland Scouts has proven to have been a worthwhile use of our resources, and I believe that bringing ham radio to interested middle and high school students, as well as groups like the Boy Scouts, would insure that Ham Radio is there for future generations.

I would like to again call on our members to consider presenting programs that are of interest to you, and also to bring interested non-ham guests to our gatherings. Everyone has experiences and knowledge that other members would like to hear about, so don't be shy about offering a meeting presentation.

Finally, I would still like to pursue the lofty goal of having a permanent place for us to store and be able to build on our club station facilities, library, and even a small museum dedicated to the history of ham radio. In this past year, gifts that were left to us by members who have downsized or gone silent key, have given us a reasonable start toward a useful technical library and a collection of test instruments and components that could be made available to our members. Having a place to house our library, which now contains a complete collection of QST magazines, several pieces of test equipment, donated parts, and some fine old examples of radios from the past, would not only relieve members of having to store this material in their homes or in miscellaneous closets here and there, but it would also make the material readily available to anyone who needed it, in a place where club members have easy access.

Thanks again for your support, and I encourage everyone to share your

ideas, make suggestions on how we can improve the organization and its work, and to participate whenever possible in activities.

73

John DeMajo K5HTZ

RARC VE News FCC EXAMS EVERY OTHER MONTH

RARC offers VE Testing Sessions on the second Saturday of odd months except June to cover Field Day instead of July.

The November testing session will be on the 9th at the Bon Air United Methodist Church, 9 AM.

If you have questions about a session, please see our website, www.rarclub.net or contact Allan, WA3J, at 804-399-8724, or ve@rarclub.net

Club Info...

RARC meets on the second Friday of each month at 7:00 PM, at the Bon Air United Methodist Church, 1645 Buford Road.

We offer 10-week license prep classes in September and March with exams following. Members provide VE testing sessions on odd-months during the year.

Join the Richmond Amateur Radio Club.

You don't have to have a ham license, just have a genuine interest in the hobby.

Annual Dues are:

80 and over \$0

Regular Membership \$20.00

Lots of information about the Club and our activities is available on our website, www.rarclub.net.

Nets

RARC has the first and only D-STAR digital repeater in the area. 147.255 (+ 600), 443.7125 (+ 5) and now 1284.0000 (-20). In addition to our Wednesday local D Star net (below), we link the D Star VHF module for the National Capital Region D Star Net on Wednesday nights at 9pm. On Tuesday nights at 9pm, we link our VHF module to the North Carolina D Star Net, and on Sunday nights at 9pm to the South Eastern D Star Weather Net.

Beginning on March 5, 2014, the RARC D Star Net which meets on Wednesday nights at 8:00pm will be accessible on our three D Star modules, all of which will be linked.

You can use any of the three frequencies, 2 meters, 70 cm or 23 cm, and you should hear and be heard by everyone.

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If you participate in the net via DVAP or DV Dongle, you must link your device to Ref 062D rather than to any of our modules. Since the W4FJ stack will all be linked to Ref 062D, anyone linked to that reflector will be connected to the net.

Sunday 7:00 pm 50.135 USB
 7:30 pm 52.525 FM
Wednesday 7:00 pm 28.475 USB
 8:00 pm 147.255 D-Star Rptr
 8:15 pm 145.730 Packet

MRA

Interested in information or support of the **Metropolitan Repeater Association (MRA)**?
 Call Ed, KG4SNK, at 804-513-1947. The sole business of the MRA is to own, operate and maintain the 145.430 repeater.

Show and Tell!

If you have an item, idea, latest and greatest, or whatever gizmo; please bring it to the RARC meeting. We have a table (usually) set up near the front where you can place your item and share/discuss it with others as they arrive. We also have a section of the agenda set aside for members to discuss their "Show and Tell" item(s). No need to be tentative; we are INTERESTED in what you are doing, how you are doing it and, in true Ham fashion, how much it costs!

RARC ANNUAL BANQUET

Please join us for the RARC Annual Banquet / installation of officers meeting. As always, spouses and non-members are welcome. The Banquet serves as the November meeting on Friday, November 8, 2019 at 7:00 PM, so don't make a mistake and head to our regular meeting location in November. Come to the Chesterfield County Airport.

This year we will meet at the location which proved to be a hit last year, Kings Korner restaurant at the Chesterfield County airport. We have reserved the banquet room on the lower level. The cost is \$20.00 per person and includes a buffet of BBQ Pork, BBQ Chicken, coleslaw, baked beans, desert and coffee, iced tea or water. A cash bar will be provided.

We have a special speaker this year, Dr. Marcella Fierro. Marcella is the XYL of RARC member Dr. Bob Fierro, KG4ZIK. She is a forensic pathologist and served for many years as the Chief Medical Examiner for the Commonwealth of Virginia.

NWS SKYWARN Classes

A National Weather Service Basic SKYWARN Weather Spotter class has been scheduled here in Chesterfield on November 7, 2019 from 6p.m. – 9 p.m. Advanced registration is required. You can register here:

<https://www.weather.gov/akq/SKYWARN>

There is also an online Advanced SKYWARN class on November 15 at 1 p.m. if you have already completed the Basic SKYWARN program. You can register for that class using the same link above.

Top 20 states with hams. Check out number 12

State	Number of Hams
1 CA	116,422
2 TX	57,936
3 FL	46,099
4 WA	37,082
5 OH	30,249
6 NY	29,653
7 PA	26,123
8 NC	22,952
9 MI	22,698
10 AZ	22,491
11 OR	21,743
12 VA	21,607
13 IL	21,585
14 GA	20,362

15	TN	19,823
16	CO	19,436
17	UT	19,056
18	MO	16,614
19	IN	16,602
20	NJ	15,009



All of USA		
Class	# of Hams	
Clubs	12,725	1.54%
A	42,549	5.17%
E	154,359	18.74%
G	189,480	23.00%
N	9,251	1.12%
T	415,406	50.43%
Total	823,770	



Class	State	# of Hams	
Clubs	VA	301	1.39%
A	VA	1,196	5.54%
E	VA	4,744	21.96%
G	VA	5,273	24.40%
N	VA	253	1.17%
T	VA	9,840	45.54%
Total		21,607	

The SWAP SHOP

Club members may list their wares in the newsletter. Send descriptive information to Armand at wa1ugo@arrl.net, or call me at 508-838-8353. The Swap Shop is presented in the newsletter as a benefit to our members. RARC takes no responsibility for items sold or traded in this newsletter. The ad will appear three times unless extended. Interested parties will contact you directly. **You must be an RARC member to place an ad.**

Wanted

Wanted: one (1) Arduino UNO main board. Will buy or trade.

Contact Alex Sahhar KN4QGQ at agsahhar@gmail.com

A donation of an older 2 meter rig (base or mobile, it doesn't matter) that doesn't do the CTCSS (PL) tones. I want to try creating my own tone generator to make these old radios work with the local repeaters. If successful, I will share the schematics and code with the group. The radio needs to be in working condition. Thank you. Please call Dan (w4erf) 540-872-5946 or email chronobot2001@gmail.com

For Sale: Kenwood TS430s, PS430 power supply and AT250 antenna tuner for sale \$950 plus shipping in US. It passed all the tests, USB, LSB, CW & AM on the Ham bands. Bought new in the box, 1984. call Bruce Haynes at brucehaynes@comcast.net

Cushcraft A4S 20-15-10 Beam Antenna

<https://www.cushcraftamateur.com/Product.php?productid=A-4S>. A4S is the true, high performance tribander for 2-15-10. Precisely tuned high-power traps, carefully selected element lengths, and proper spacing combine to make the A4S the preferred antenna for your HF work! This is the premium antenna with all the features that you want. High gain, low SWR, and wide bandwidth keep the contacts coming in. All U-bolts, clamps and hardware are stainless steel. A4S has pinned boom sections and formed aluminum brackets to keep elements straight in all conditions. Our solid construction keeps the A4S on the tower! The antenna is only 2-years old and is ready for immediate pick up at my QTH. I am asking \$450.00 . Please contact me at 804-730-0221 or e-mail me at kj4it.jw@gmail.com 73, Jerry KJ4IT

ANTENNA TUNER, 3 KW, 1.8-30 MHZ, ROLLER, METER, ANT

<https://www.mfjenterprises.com/Product.php?productid=MFJ-986>.

MFJs innovative Differential-T Tuner uses a differential capacitor that makes tuning easier than ever. It gives minimum SWR at only one setting. Broadband coverage ends constant re-tuning. The MFJ-986 is a rugged roller inductor antenna tuner that handles 3KW PEP SSB amplifier input power (1500 Watts PEP SSB output power). It tunes 1.8 - 30 MHz continuously, including MARS and WARC bands. MFJs exclusive AirCore Roller Inductor gives absolute minimum SWR -- something tapped inductors just cant do. 3-digit turns counter plus a spinner knob gives precise inductance control so you can quickly retune your frequency. A lighted peak and average reading Cross-Needle meter shows SWR, forward and reflected power at a single glance! The antenna tuner is ready for immediate pick up at my QTH. I am asking \$200.00 . Please contact me at 804-730-0221 or e-mail me at kj4it.jw@gmail.com 73, Jerry KJ4IT

2225 Tektronix Analog Oscilloscope: The Model 2225 is a 50 MHz analog oscilloscope from Tektronix. Measure voltage or current signals over time in an electronic circuit or component to display amplitude, frequency and rise times, etc. Applications include troubleshooting, production test, and design. This scope comes with an operating manual, and 10:1 Scope Probe. I am asking \$275.00 . Please contact me at 804-730-0221 or e-mail me at kj4it.jw@gmail.com 73, Jerry KJ4IT

I am selling a GE MVS 40w 2 meter radio with APRS cable mod, Garmin marine GPS, TinyTrak3 interface module and home built MVS programmer / tinytrak programmer. This is a complete functioning system; just connect to an antenna, plug it into a cigarette lighter and it's on the air. It is currently programmed with my call sign; I could tell you how to reprogram it with yours. \$150. Call John Harlow @ 804 464 8248.

Thought For The Day
In the buffet of life, friends are the dessert

John DeMajo	K5HTZ	President	(504) 858-7689	jdemajo@demajo.net
Allan Johnson	WA3J	Vice President	(804) 318-6951	wa3j@arrl.net
Dave Robinson	KJ4LHP	Secretary		
Ken Leidner	WV0L	Treasurer		