

Charles
County
Amateur Radio
Club

Inside this issue:

activities	4
Contests	6
Crossword/ puz-	7
Hamfest	2
Minutes	20
Practice questions	3
Special events	8

Smoke Signals



Volume 24
issue 7

July 2021

Meeting 4th @ 1900 EST via Zoom &/or
Marbury Baptist Church 4670 Bicknell Rd,
Marbury, MD 20658

THE PRESIDENT'S WORKBENCH

Another successful Field Day is in the logbooks. The sun was a helpful partner this year by providing enough energy to enhance HF propagation on 10-meters. Because of this, a couple of the club's Technician licensees were able to make their first HF contact using their own call sign. Congratulations to Pam, KB3SWS, & Calvin, KC3RAN, for making a contact with Arkansas.

If you missed Field Day, there were some interesting antennas to look at. You also missed a great demonstration of radio controlled airplanes and quadcopters by several members of the Charles County Radio Control Club and a few others.

If you're looking for Missouri for your Worked All States award you might be in luck. This month Missouri is the only state QSO Party. It will take place on July 31, from 10:00 AM to midnight local time.

Have you ever wanted to jump into the fray of a radio contest but don't want to devote a lot of time? If so, then Sprint contests may be just what you're looking for. Sprints usually last about an hour or so, many times on a specific band. I found one that is designed to encourage people with multi-mode 2-meter radios to give 2-meter SSB or CW a try. The Two Meter Classic Sprint is a 30 minute contest that will take place on Saturday, July 3, 1300-1330Z (9:00-9:30 AM). For more information about this brief contest, visit the host website at <https://fwrc.info/2021/05/21/two-meter-classic-sprint/>.

July brings a very popular Special Event station, well, actually stations. That's right, the 13 Colonies annual event is back and runs from July 1-7. This year's QSL cards and certificate theme is Colonial Tall Sailing Ships. There are stations oper-

(Continued on page 2)

CALENDAR

July

02 meeting

07 Net 2030

14 Net 2030

21 Net 2030

28 Net 2030 &
News articles due

August

04 Net 2030

06 meeting

11 Net 2030

18 Net 2030

25 Net 2030 &
News articles due

(Continued from page 1)

ating from the states of each of the original 13 colonies along with stations in Philadelphia, Great Britain, and France. If you work all 16 stations for a clean sweep you get a specially endorsed certificate.

There will be an exam session held prior to our meeting this month at the Marbury Baptist Church. The exam session starts at 5:00 PM. Our monthly meeting starts at 7:00 PM. If you arrive early for the meeting, please enter the room quietly in case there are still people taking exams



by Bob, NW3M

Hamfest

**09/25/2021 - Hollywood Maryland 7th Annual TailgateFest
Hollywood, MD St. Mary's County ARA <http://k3hki.org>**

**10/03/2021 | CARA Fest 2021 | West Friendship, MD Colum-
bia Amateur Radio Association (CARA) [http://
www.carafest.org](http://www.carafest.org)**

Practice questions

1. Which of the following is good practice when installing ground wires on a tower for lightning protection?
 - A. Put a loop in the ground connection to prevent water damage to the ground system
 - B. Make sure that all bends in the ground wires are clean, right-angle bends
 - C. Ensure that connections are short and direct
 - D. All of these choices are correct

2. What precaution should you take if you install an indoor transmitting antenna?
 - A. Locate the antenna close to your operating position to minimize feed line radiation
 - B. Position the antenna along the edge of a wall to reduce parasitic radiation
 - C. Make sure that MPE limits are not exceeded in occupied areas
 - D. Make sure the antenna is properly shielded

3. Which of the following is true of an emergency generator installation?
 - A. The generator should be located in a well-ventilated area
 - B. The generator must be insulated from ground
 - C. Fuel should be stored near the generator for rapid refueling in case of an emergency
 - D. All of these choices are correct

4. Which of the following amateur stations may transmit one-way communications?
 - A. A space station, beacon station, or telecommand station
 - B. A local repeater or linked repeater station
 - C. A message forwarding station or automatically controlled digital station
 - D. All these choices are correct

CCARC Activities

By Jeff – KB3SPH

2 July 2021 – Exam Session at **5:00 PM**, Monthly CCARC Meeting at **7:00 PM**.

Location: Marbury Baptist Church Hall, 4670 Bicknell Road, Marbury, MD 20658.

Agenda:

*Officer Reports

*Field Day After Action Reports – “Around the Room and Zoom” for comments from Field Day participants regarding their experiences, whether from home, Nanjemoy, or elsewhere

Zoom:

We also plan to have the meeting available via Zoom:

Meeting ID: 863 3970 1455

Passcode: 722801

Join the 2 July CCARC Meeting via desktop/laptop/smartphone: <https://us02web.zoom.us/j/86339701455?pwd=Q29PWjU1a2E4V1grM1R5QW51VUdVZz09>

Dial in via landline/cell phone and follow voice prompts:

301-715-8592

6 August 2021 – Monthly CCARC Meeting at 7:00 PM – Details TBD.

3 September 2021 – Exam Session at **5:00 PM**, Monthly CCARC Meeting at **7:00 PM** – Details TBD.

6th Annual Connector Workshop

Mark your calendars for the **6th Annual Connector Workshop** (Red-Righting, Tongue-Upping the World since 2016) to be held at the Nanjemoy Creek Environmental Education Center (NCEEC) on **Sunday, 9/19/2021**. This year's theme is "**Solar Sunday**."

Who: Any interested person. This email is being sent to local area amateur radio operators. **Please feel free to forward this email to any individual/group that may have an interest.**

What: Free Connector Workshop focusing on learning about & constructing power cable assemblies using Anderson PowerPole connectors. Planned speakers include Charles AA3WS & Jeff KB3SPH.

Also: "Solar Sunday" Presentations on Various Solar Power Systems:

Kato – KB3LIB: Home/Cottage Solar Project

Steven – KC3DSO: Camping/Hiking/Vehicle Solar Systems

Jeff – KB3SPH: Field Deployable/Portable Solar System

When: Sunday, 19 September 2021, 1300 – 1700 (1:00 PM – 5:00 PM).

Where: Nanjemoy Creek Environmental Education Center (NCEEC)
5300 Turkey Tayac Place Nanjemoy, MD 20662

How (To): Briefs on how to use Anderson PowerPole connectors (the ARES/RACES standard) and demonstrations on various configurations to assemble
Hands on use of PowerPole crimpers and insulated connector crimpers to assemble cables

Hands on use of other crimp-on connectors, PL-259 connector installation, etc.

Briefs and demonstrations on preparation of cables and soldering various connectors and Crimp-the-Shield/Solder-the-Pin connectors

Hands on use of soldering equipment

Note: No experience or bringing of equipment is necessary, come and learn from others! If you have a situation where you need assistance in getting a connector/advice on equipment, please bring that equipment to the workshop and let the "Brain Trust" have a crack at solving the issue.

Why: Get the creative juices flowing!

If you are interested in attending the workshop, please let me know via return email (humbert1js@gmail.com) and include the number of people you're bringing with you.

Contests in July

CWops Mini-CWT Test	1	YOTA Contest	18
EACW Meeting	1	K1USN Slow Speed Test	19
NRAU 10m Activity Contest	1	RTTYOPS Weeksprint	20
RTTYOPS Weeksprint	1	Worldwide Sideband Activity Contest	20
SKCC Sprint Europe	1	Phone Weekly Test - Fray	21
RAC Canada Day Contest	1	EACW Meeting	22
K1USN Slow Speed Test	2	RSGB 80m Club Championship, Data	22
NCCC Sprint	2	RTTYOPS Weeksprint	22
QRP Fox Hunt	2	K1USN Slow Speed Test	23
Two-Meter Classic Sprint	3	NCCC Sprint	23
K1USN Slow Speed Test	5	QRP Fox Hunt	23
RSGB 80m Club Championship, CW	5	ARS Flight of the Bumblebees	25
ARS Spartan Sprint	6	K1USN Slow Speed Test	26
RTTYOPS Weeksprint	6	RSGB FT4 Contest Series	26
Worldwide Sideband Activity Contest	6	RTTYOPS Weeksprint	27
Phone Weekly Test - Fray	7	Worldwide Sideband Activity Contest	27
VHF-UHF FT8 Activity Contest	7	Phone Weekly Test - Fray	28
EACW Meeting	8	SKCC Sprint	28
RTTYOPS Weeksprint	8	EACW Meeting	29
K1USN Slow Speed Test	9	RTTYOPS Weeksprint	29
NCCC Sprint	9	K1USN Slow Speed Test	30
QRP Fox Hunt	9	NCCC Sprint	30
IARU HF World Championship	11	QRP Fox Hunt	30
QRP ARCI Summer Homebrew Sprint	11	Feld Hell Sprint	31
SKCC Weekend Sprintathon	11	WAB 144 MHz Low Power Phone	31
4 States QRP Group 2nd Sunday Sprint	12	DL-DX RTTY Contest	3-4
K1USN Slow Speed Test	12	Marconi Memorial HF Contest	3-4
RTTYOPS Weeksprint	13	Original QRP Contest	3-4
Worldwide Sideband Activity Contest	13	PODXS 070 Club 40m Firecracker Sprint	3-4
Phone Weekly Test - Fray	14	TA VHF/UHF Contest	3-4
RSGB 80m Club Championship, SSB	14	CWops Mini-CWT Test	7-8
VHF-UHF FT8 Activity Contest	14	Walk for the Bacon QRP Contest	8-9
EACW Meeting	15	CWops Mini-CWT Test	14-15
NAQCC CW Sprint	15	CQ Worldwide VHF Contest	17-18
RTTYOPS Weeksprint	15	IARU Region 1 70 MHz Contest	17-18
K1USN Slow Speed Test	16	North American QSO Party, RTTY	17-18
NCCC Sprint	16	Run for the Bacon QRP Contest	18-19
QRP Fox Hunt	16	CWops Mini-CWT Test	21-22
Feld Hell Sprint	17	RSGB IOTA Contest	24-25
Russian Radio Team Championship	17	QCX Challenge	26-27
Trans-Tasman Low-Bands Challenge	17	CWops Mini-CWT Test	28-29
CQC Great Colorado Gold Rush	18	Missouri QSO Party	31-1st
RSGB International Low Power Contest	18	Russian WW MultiMode Contest	31-1st

Capital Cities (western states)

Y	C	O	K	L	A	H	O	M	A	C	I	T	Y
Y	S	H	P	I	E	R	R	E	S	A	L	E	M
E	N	N	E	Y	E	H	C	N	I	T	S	U	A
N	B	I	S	M	A	R	C	K	R	P	I	U	L
I	L	T	O	L	Y	M	P	I	A	I	I	N	E
H	I	A	N	E	L	E	H	L	A	J	N	T	C
O	N	S	A	L	T	L	A	K	E	C	I	T	Y
N	C	P	I	P	H	O	E	N	I	X	O	T	O
O	O	C	E	O	E	P	O	D	E	P	S	I	K
L	L	J	U	N	E	A	U	R	E	S	A	Y	L
U	N	D	E	N	V	E	R	K	N	C	I	Y	Y
L	C	U	S	A	C	R	A	M	E	N	T	O	M
U	C	A	R	S	O	N	C	I	T	Y	T	C	B
I	N	S	A	N	T	A	F	E	Y	I	F	L	N

LINCOLN
 CHEYENNE
 SALEM
 SALT LAKE CITY
 BOISE
 JUNEAU
 TOPEKA
 BISMARCK
 SANTA FE
 CARSON CITY
 OLYMPIA
 HONOLULU
 PHOENIX
 OKLAHOMA CITY
 PIERRE
 HELENA
 DENVER
 SACRAMENTO
 AUSTIN

Play this puzzle online at : <https://thewordsearch.com/puzzle/2553730/>

Thanks to Martin Blaise AG5T for the new puzzle for the newsletter.

Special events in July

100th anniversary of Farnsworth's image dissector	N5I	14-28
120 Years of Austria's Nobel Prize Laureates	OE120AGD, OE120BKC, OE120DMT, OE120SGU, OE120TWA, OE120U, OE120WDR, OE120XFG, OE120XGM, OE120XKJ, OE120XDX, OE120XRC, OE120XYK	thru Nov
13 Colonies SE	K2A, K2B, K2C, K2D, K2E, K2F, K2G, K2H, K2I, K2J, K2K, K2L, K2M, GB13COL, WM3PEN, TM13COL	1-8
1980 Lublin Strikes	3Z1980LL, HF1980LL, SN1980LL, SO1980LL, SP1980LL, SP1980LS, SQ1980LL	1-31
3905 Century Club Eyeball 2021	K3Z, K4E, K5F, W5F, N5F, W7T, N5A, N0E, K1Q	7-24
40th Anniversary O.M.I.S.S NET	W4O	10-11
46th Year Licensed Amateur Radio Operator	W3O	9-22
66th Season at Penn Can Speedway	N3P	31-1
75th Anniversary of Kaliningrad	RK75AK (UA2FAK), RK75FF (UF2F) and RK75FU	thru 31
75th Anniversary of the ISWL	GB75ISWL	thru dDec 31
880th anniversary of the birth of Nizami Ganjavi	4J880M, 4J880N, 4J880NZ, 4J880NZM, 4K880NZ, 4K880NZM	thru Dec 31
96th Anniversary Bladensburg Maryland Peace Cross	N3TAL	11
Batavia Summer Days	K2B	17-31
BIRTH EUGENE O. SYKES 1st FCC Chairman	K5S	16-17
Capt Emilio Carranza Memorial Event	N2M	4-10
Cedar Grove ARC 4th Of July Celebration	K4J	1-10
Charleston Amateur Radio Society (CARS) 50th Anniversary	WA4USN	10
City of Roland Iowa - Sesquicentennial	W0R	1-5
Colonial Williamsburg Special Event	K4RC	3
Demon Colorado Mennonite Summer Camp	K0G	5-15
Glacier Waterton Hamfest	W7G	12-19
Ham Fiesta Contest	N5T	5-19
Hardrock 100 Endurance Run	KC0LFF	17-19
IARU	W7E	7-14
Independence Day Celebration at Fort Missoula	W7PX	4
John Glenn's 100th Birthday Celebration	KY8C	18
Lobstercon - QRP HAMfest	W1L	2-13
Long Beach Catalina Ski Race	K8S	23-25
Manchester Chicken Broil	W8C	17
Ohio Salt Fork State Park 61st Anniversary	W8VP	24
Oregon Trail Run	K7I	11-25
Parks on the Air 2021 Annual Plaque Event	W0W, N6G, N5P, N4P, K4PK4L	16-19
Pine Valley Days	K6A	17-31
Pirates Parlay	W4R	23-25
Public Safety Cadet National Conference	WX4SOC	19-22
Red River Bridge War Special Event	W5R	17-25
Red Skelton Museum Festival	K9R	4-18
Rippon Lodge WW2 Memorial Weekend	W4R	9-11
Salmoncon XVI	K7S	7-12
Scouts BSA summer camp	W1M	4-30
South Carolina Peach Festival	W4W	10-11
Support Your Parks Summer 2021	N4G	17-18
Tokyo Olympic and Paralympics Games	8J#OLYMPIC, 8N#OLP, (#=0-9),	thru Sep 5
USS Midway Museum Ship Special Event: Independence Day	N16IW	4
Ward Melville HS Ham Reunion	W2Z	16-25
Warrick County 4H fair	W4H	19-24
Youth on the Air Camp - Americas	W8Y	5-19

CCARC weekly net

Charles County Amateur Radio Club net each Wednesday 2030 local time
147.195 MHz, + 600 offset, PL 156.7 Hz. If repeater fails 146.480 simplex
EchoLink KB3KOW-R (when available, watch emails)

Follow us on Netlogger

Nets will be roundtable type with a question of the week for discussion. All amateur radio operators are welcome; please join in the fun!

Sign up for net control at

<https://www.signupgenius.com/go/20F0B48ACAB2CA5F85-ccarc>



Special Independence Event

Thirteen Colonies were the original United States of America. original Founded in the 17th and 18th centuries, for the furtherance of religious beliefs, were part of Britain's possessions in the New World they **declared independence** in 1776 The Thirteen Colonies population change from 2,000 to 2.4 million between 1625 and 1775, a resistance to allow the British to remove their self-governance, active local elections, and use of the colonies for the economic benefit of the mother country, combined with a belief of "no taxation without representation" led to these 13 colonies declaring their independence. The Thirteen Colonies are New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, North Carolina, South Carolina, and Georgia. They are represented by the stripes on the US flag. Every year in time for Independence Day, a special event is held to commemorate those 13 colonies. More info at <http://www.13colonies.us/>



The Annual 13 Colonies Special Event

<i>GB13COL</i>	<i>TM13COL</i>	<i>WM3PEN</i>
	<i>NY - K2A</i>	
<i>VA - K2B</i>	<i>DE - K2E</i>	<i>MA - K2H</i>
<i>RJ - K2C</i>	<i>MD - K2F</i>	<i>NH - K2K</i>
<i>CT - K2D</i>	<i>GA - K2G</i>	<i>NJ - K2I</i>
		<i>SC - K2L</i>
		<i>PA - K2M</i>

Another special event related to Independence - Colonial Williamsburg

July 3, Williamsburg ARC will operate from one of the buildings in Colonial Williamsburg to celebrate our Nations' Birthday. The Capital of Virginia was moved from Jamestown to Middle Plantation, renamed Williamsburg in 1699 and remained until Governor Thomas Jefferson moved it to Richmond to escape the British during the Revolution. <https://www.k4rc.net/events/special-event-stations/>

There are a few specific other towns with special event stations for the July 4 celebrations.

But on another independence issue here's another special event to consider:

Strikes in Lublin, People's Republic of Poland, demanding better salaries and lower prices of food products, started July 8, 1980, at the **State Aviation Works**. **By mid-July, 50,000 workers of over 150 enterprises were out.**

A drought in summer and a hard winter 1979 led to price increases of products, such as gasoline, cigarettes, soft drinks, and meat prices (up to 60%) available in canteens in Polish factories. Workers reacted quickly, resisted the threat of firings, and carried on work stoppages. According to the strikers, the last straw was a pork chop dinner in the factory's canteen increased by 80% - from (10.20 zlotys, to 18.10) Following the inspiration of Miroslaw Kaczan who switched off the machines, Section W-340 first, but in a few hours, the whole factory stopped working. On the same day, workers of Lublin's branch of the state *Polmozbyt* auto parts and repairs service joined. This quickly spread to other factories in the surrounding region *Factory of Agricultural Machines Agromet*, *Lublin Car Repairs Shop*, *Lublin's Truck Factory* *Lublin's Leather Factory*, *Meat Factory*, *Lublin Factory of Scales*, *Poultry and Eggs Producer*, *City Transit Authority*, *Pharmaceutical and Herb Producer HerbaPol*, dairies, bakeries, the water heating plant, and even the Work Cooperative for the Blind. Lublin's rail workers began the strike on July 16 (and, according to a legend, the railway men welded an engine to a track) which paralyzed rail links between the Soviet Union and the Red Army garrisons in the German Democratic Republic

The workers did not use the irritating word *strike* instead a *Stoppage Committee* was created in Świdnik, headed by Zofia Bartkiewicz, which demanded economic concessions. Some also demanded abolition of hard-currency shops and special outlets for privileged groups of society, as well as raising their family allowances to the levels received by the army and militia. Workers did not repeat mistakes of the Poznań 1956 protests and the 1970 events in Pomerania and avoided going out on the streets, instead staying in their factories. They came to work, stood at the machines and did not work.

On July 12, the Świdnik factory, after its demands had been met, ended the strike, but by July 14, virtually the whole city of Lublin, together with the railroad network and city transit, came to a standstill. Finally, their strike was settled for way less than had been demanded. The government granted wage increases: 10% on average, sometimes as high as 20%. In most cases, the government was willing to resolve the strikes in favor of the workers, by "buying them off", so long as the strikers did not demand independent trade unions. The last strikes in Lublin ended on July 25, after a delegation of the government, together with Mieczyslaw Jagielski, Jozef Pinkowski, and Zdzislaw Kurowski, agreed to most of the demands, such as free Saturdays, improvement in food supplies and earlier retirement age. The city was flooded with posters with appeals to the society for peace and return to work.

The collapse of the Communist system of Poland began with the Lublin strikes that triggered a wave of strikes on the Baltic coast, brought a final break in the official, Communist so-called "propaganda of success" that systematically exaggerated the country's economic performance to keep the population in line. More strikes spread throughout the entire country. The compromise on salaries, worked out in Lublin and Świdnik, triggered a chain reaction as other workers demanded similar concessions. The result was the formation of independent trade unions and the beginning of the Solidarity movement. https://en.wikipedia.org/wiki/1980_Lublin_strikes



Lublin July 80th Monument in Lublin

Member Column



Let the spotlight this month shine on
James "Jim" Dunn W3JTD



Jim Dunn, W3JTD, our newest extra (May 2021), was born in Leonardtown, Maryland. He earned his first license, KB3EIJ, 17 Oct 1999. Working with the fire and EMS folks, led him to want to have his license for communications. In the past he was the infection control/employee health nurse at the hospital in La Plata, now he is Infection Control RN at Fort Belvoir. He could

give us a presentation on infection control, preventing disease-good information in the current climate and for future activations.

Most of Jim's contacts have been on the CCARC weekly net and he credits the club as his "Elmers". He relates that the friendships he has in the group is his most memorable experience. He has a shack/space in his basement and has a Yaesu FTN 300, 101D, and Kenwood TS 440. Currently he does not have an HF station- something he would like to get when he retires so he can then do contesting, DX and packet (or MESH as Chuck was describing at Field Day).

He is married to Joan (pronounced like Joan of Arc not JoAnn...a question he gets that is annoying as not the same spelling). Their son Michael lives in Oregon. Jim & Joan have a dog Rocko at home. They have travelled around the US- most of the eastern and a good part of the western areas.

Outside of radio, Jim like to hunt whatever is in season, on his friend Chip’s 2000 acres in western New York. He belongs to Infection control organizations. He would like to try skydiving and get a motorhome. He thinks everyone should do something the have fun doing at least once. His hope for radio is that it remains fun.

Jim listens to the 2-meter reflectors but does not often hear anyone. If you get a chance, give a call if he can he will respond.



FIELD DAY 2021

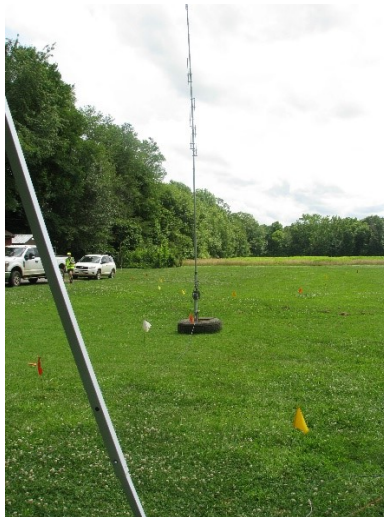
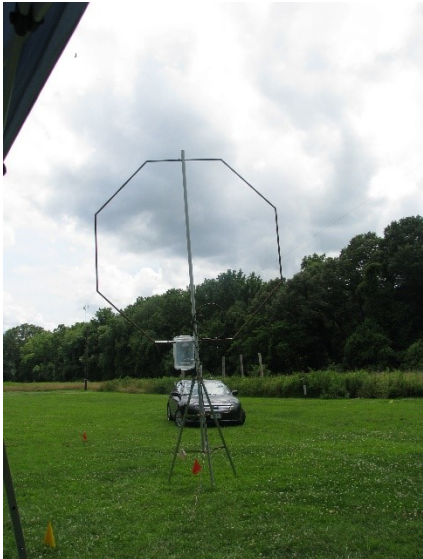
Though it has similarities to a contest, like points for contacts and other activities, Field Day is intended as an opportunity to demonstrate amateur radio capabilities and prizes are not awarded.

Charles County Amateur Radio Club and Fort Washington Amateur Radio Club participated in the American Radio Relay League (ARRL) Field Day (FD) on June 26 to 27.



Members from

both clubs set up stations on the grounds of the Nanjemoy Environmental Education Center. Contacts were made by voice, morse code (CW), and digital modes like FT8. Some stations were powered with solar, others battery and a couple commercial electric. Various antennas were in use verticals, beams, wires, and loops.



We got Walt KB0URZ on the air on Chuck's radio and got a first contact with W8DGV.





But before the official start, Calvin caught a unique contact with an amateur operator many decks below on the USS Alabama (retired battleship) with the antenna up top.

We did have a visit from our ARRL Atlantic Division manager, Tom Abernethy W3TOM, so yes, we get points for that.

FD is often denoted as Food Day...so of course there was food. A potluck supper overflowed 3 tables and desserts an additional table. No one went hungry thanks to the efforts of Pam KB3SWS.

As is typical of hams, some assistance was given to get repairs to a radio. Jayne W4VJU brought a Hallicrafters radio that her father had. Assisted by AA3WS, transmit function was restored.



Chuck



Unlike many summertime events, the weather was pleasant with no rain or storms. The heat was not overwhelming, and AC was available in the pavilion. A great weekend event for the club.



Find more photos at

<https://www.flickr.com/photos/182237098@N06/albums/72157719472767038> (Jeff Humbert)



Thanks Jeff & Pam Humbert for making this wonderful activity for CCARC & FWARC



Radio Control (RC) demonstration at Field Day



In the spirit of demonstrating radio capabilities, the RC club came to exhibit the many ways to use radio in various vehicles.

Ken Stout started out the presentation with a sailboat. Because there was not enough wind on the creek to power the sailboat, he was not

able to put it in the water. Ken relates that when he was teaching at North Point High School, he would use the



sailboat to explain Bernoulli's principle. He would also challenge the students to build a boat out of concrete to instruct about buoyancy.

A ballast on the bottom of the boat helps keep it upright.

This sailboat was guided by a 2 channel system, one for the rudder and the other for the sails. The sails are

kept perpendicular to the wind and can be maneuvered in various ways. They host RC sailboat events on the water at the Calvert Marine Museum often with other clubs like the one in St Michaels MD. It is NOT a bumper boat race...though they will sometimes sail along side to "steal the wind".

Boats are often made from scratch and the Calvert Museum models them after the skipjack. Skipjack, while not the best in races, was the work horse of the Chesapeake Bay, used in harvesting oysters and crabs.

Models and events are also done with schooners 2-3 mast vessels that are often 6-7 feet and require pickup trucks to transport. There are also folks who do warships and do "battles" using bb's as ammo to penetrate 1/16-inch

-thick balsa model ships. Sump pumps are used to bilge and some will wade out and fix holes with duct tape as the war ships would have done with plates.

Ken invites us to come to the races on weekends in the summer and classes in the winter more info at <https://www.calvertmarinemuseum.com/9/Clubs>. Reminding us that not only sailboats deal with wind, aircraft and drones take off and land into the wind, we then went to aircraft demonstrations.

Next we watched as David Glass flew a drone and made videos of the flight. From special glasses he showed us the video from the drone on a tablet. This outfit starts at \$1200.



The drone requires a license if any monetary use and that includes YouTube videos which he does. It has cool features like a warning of close collision which it can stop to avoid and if loses GPS goes to 200 feet and returns "home" (start point) and beep tracker. It has 3 modes, sport, normal and acrobatic. Descending into the craft's own wash makes for some shaking so we learned that it's best to use alternate paths. Some of us wondered as the birds chased the drones. Is it a territorial thing or does the noise attract them to think they are bugs?



Hoang Le showed us some planes made from Dollar Tree foam board including one he and his child made. Cost under \$20 but the most expensive part is the transmitter and receiver units \$50 but can be interchanged with different planes you make.

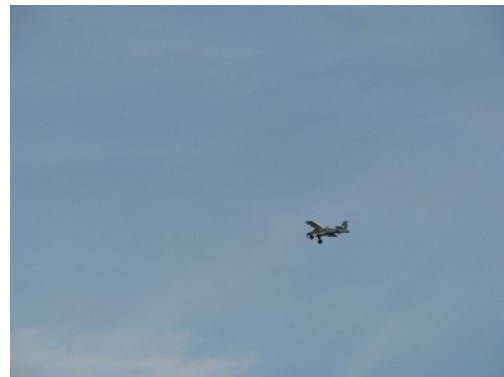


There were also 3D printed with loads of plans available including Messerschmitt war planes.

Dave Indyke and Chip McBride demonstrated prop planes and a jet with a gas engine. Fast, acrobatic and loads of fun. Unfortunately so fast I didn't get a good picture of it and only a poor video.



John Madeiski showed various different models of drones several of them uti-



lize the amateur radio frequencies. Some models use analog and others dig video and have various ranges, milliwatts for power. Models have GPS and are tied to the drone frequency to decrease interference.



Kato brought out a



\$200
"good
starter"
drone
that
he
ac-

quired recently, and Garrett Lockhart (harmonic of Calvin & potential ham) controlled the flight. He did a nice flight and landed the craft.





Charles County Amateur Radio Club Meeting Minutes

June 4, 2021

Officers Present:

President – Bob Curran NW3M
Vice President – Bob Davison KB3KOW
Treasurer – Pamela Humbert KB3SWS
Activities – Jeff Humbert KB3SPH
Secretary – Charles Hallock AA3WS

Visitors:

Christin Lockart (Zoom)

Members Present:

Joe Boswell – KB3HNP
Jim Dunn W3JTD
Calvin Lockhart II KC3RAN (Zoom)
Bill Luyster W8BL
Aaron Brentwood KB3SBO
Jay Howard KC3MUV
John Kohansby (Zoom)

President Bob Curran NW3M opened the Meeting at the Marbury Baptist Church Social Hall. The meeting was also displayed on Zoom. Bob welcomed the guest and members.

Bill Luyster W8BL gave a “hands on” lecture on Smith Charts 101. All participants were provided with Smith Charts and compasses. Bill used the NANO VNA as a teaching aid. Bill also recommended Phillip Smith’s Smith Chart book for those participants desiring further knowledge.

New Business

Treasurer:

Pamela Humbert KB3SWS, gave the May Treasurer’s Report. The April’s Treasurer Report was approved.

Activities Manager:

Jeff Humbert KB3SPH reported on the following upcoming activities:

26 & 27 June 2021 – Summer Field Day at the Nanjemoy Creek Environmental Education Center (NCEEC). Invitations and event details will be extended to hams throughout Southern Maryland by Pam.

2 July 2021 – Monthly CCARC Meeting at 7:00 PM at Marbury Baptist Church Social Hall preceded by a VE test session.

19 September 2021 – Connector Workshop - Nanjemoy Creek Environmental Education Center (NCEEC) – 1:00 PM to 5:00 PM – The sixth annual event, hosted by Pam and Jeff, will include lessons on building connectors with Anderson Power Poles, that can be used with various types of equipment. Additionally, this year’s theme will be “Solar Sunday.” Special “Show and Tell” presentations will be given by Kato, Jeff and Steven Keller – KC3DSO, and feature backpack portable, back yard portable and whole house solar power systems.

Secretary:

Minutes for the May’s Meeting are published in the Monthly New Letter. The May Minutes were approved. Charles thanked Ms. Pam for taking the May Minutes.

Charles advised the Church has been reserved for August, September and October Meetings.

Old Business

None.

New Business

President Bob Curran NW3M advised the members and guest that the next meeting would be at the Marbury Baptist Church Social Hall on July 2, at 1900 Hours. A VE test session will precede the meeting. Bob also thanked Bob Davison KB3KOW for setting up the Echo Link for the Club Net.

President, Bob Curran NW3M also advised Net Control Operators are need for the Weekly Club Net. He added that a future Club build could be a Three Element Quad Antenna. Bob inquired for interest in pursuing a Special Events Station at the Veterans Museum, La Plata Train Station, or Thomas Stone National Historic Site.

Members Comments

Jay Howard inquired about FCC RFI Testing requirements. Consensus of the members was RFI Testing is a needed topic for a future presentation. Additionally, Jay requested if anyone in the Club had knowledge concerning a 49 to 1 End Fed Antenna.

Closing:

A motion was made and seconded to close the meeting. The motion passed at 2045 Hours.

Charles Hallock AA3WS
Secretary



The Wide Area Ragchew Session

The Saint Mary's County Amateur Radio Association is hosting a monthly, informal ragchew session via Zoom for hams in the surrounding counties. The idea is to just get together to chat about what's going on, activities, etc. 2nd Thursday of every month 7:30 PM Eastern Time

AGENDA:

- Everyone is invited and welcomed from anywhere in the MDC area (southern Maryland, Northern Neck, eastern shore of Maryland, etc.)
- - Open chat – who is doing what, club news from all areas, how can we work together better to keep ham radio a growing, viable hobby, sharing of news about upcoming ham events, meet new people!
- Please keep all discussions related to ham radio activities!

JOINING THE GROUP (there are 3 different ways to join in on the meeting):

1 – Click on this QUICK LINK:

<https://us02web.zoom.us/j/8673965998?pwd=Q2IUL05PTVB3RnEvUkZPNmlKUFJ3QT09>

2 – Open up the ZOOM app on your computer or device and:

Select 'Join Meeting' button and type in the meeting ID and password:

Meeting ID: 867 396 5998 Meeting Password: 1460464

3 – Use your regular telephone (no computer needed, voice only, no video):

Dial 1-301-715-8592 (US) – Follow the voice prompts... enter the Meeting ID followed by the # (pound) symbol; then enter your participant ID (if applicable) followed by #; then enter the meeting password followed by #

Contact information: Rob Hoyt, N2OMC – SMCARA President/ host robhoyt32@yahoo.com



FCC News

The FCC's Emergency Connectivity Fund (ECF) is a program to help schools and libraries provide remote learning. For information on eligibility and the application form visit <https://www.fcc.gov/emergency-connectivity-fund> .

ANSWERS

Answers to
practice questions
1 C 2 C 3 A 4 A

WANT ADS, FOR SALE, &
PUBLIC SERVICE ANNOUNCEMENTS:

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and photographic
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email: SmallwoodCameraClub@gmail.com



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Astronomical Society**

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<http://smas.us>



**AMA 822
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TrotSar Mounted Search Team
21218 Dorsey Spring Place
Germantown, MD 20878
Pete KC3SBN Commander

K3SMD



Meetings, nets, & contacts

First Friday- Monthly meeting @ 7 PM/1900

Net-Wednesdays 8:30 PM local 147.195 MHz, + 600 , PL 156.7 EchoLink KB3KOW-R

PO BOX 169, La Plata, MD 20646

- President: Bob Curran NW3M flyingham@verizon.net
- Vice-president: Bob Davidson rdavidson@aceweb.com
- Secretary: Charles Hallock AA3WS selbynet@hotmail.com
- Treasurer: Pam Humbert KB3SWS humbertpj@gmail.com
- Activities: Jeff Humbert KB3SPH humbert1js@gmail.com
- Newsletter Michelle Sack N3YRZ msack@verizon.net
- VE Coordinator Bob Curran NW3M

Charles County Amateur Radio Club

Service Club

We're on the web

<http://k3smd.net>

Leave laughing



Tnx to NEVARC NEWS, N-E Victoria Amateur Radio Club newsletter, May, 2021