

The Repeater



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WX4BCA 147.285 + (131.8)

Amateur Radio Club of Butts County

Jackson, GA



USA

CONGRATULATIONS

'TEAM K4B'

You Rock!

**Thank you, each and every one of you who helped in any way,
so very much for putting forth that 10% extra effort to make us
#1 in GA for 4A with 4886 points.**

**A lot of time, energy, and effort went into putting on the 2019
Field Day for Amateur Radio Club of Butts County, and I am very
proud of this Team.**

**This was my first time as Field Day Coordinator and if I never
do another one, please know I think this Team was *the very best!***

Nancy K4NEP

Nancy Phillips

Editor

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2 - Oct 2019 Minutes - K4NEP

3 - Whit's Wisdom - WX4VBX

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**NOVEMBER
2019**

Vol 7, No 11

Amateur Radio Club of Butts County**November , 2019****Minutes Respectfully Submitted by Darlene Ragon, Secretary ARCBC****Meeting Held at Butts County Fairgrounds - Jackson, Georgia****Meeting Called to Order at 1907 by VP Nancy Phillips****Meeting Concluded at 1940**

Members present were Pete Acevedo, David Burnham, Michelle Burnham, Mike Crowe, Dan Darsey, John Lipscomb, Melvin Mosier, Nancy Phillips, Anthony Strite, Brett Strite, Ken Wallis, and Glenn Wyatt. Three nurses from Sylvan Grove Hospital were present: Amy, Brooke, and Deborah.

The nurses from Sylvan Grove Hospital were present tonight to give flu shots. Those who were not bale to make it to the meeting tonight may get their flu shot by going by Sylvan Grove Hospital and asking for the nurses in Case Management. Be sure to tell them you are part of ARCBC's group.

VP Nancy Phillips officially called the meeting to order at 1907. As many were out tonight, Nancy asked for committee reports.

Treasury report: John Lipscomb -- \$3328.61 is our combined treasury. The bank statements have not shown up yet for this month, but John said our only known bill will be for the GoDaddy account.

Net Manager reports: Ken Wallis -- Five nets were held in October, averaging 6 Voice, 3 Digital, and 6 Winlink check-ins per net. Elaine will be the NCS for November. Health Dept held 5 for 5 nets with all contacts accomplished. Survey net for November will be held Sat, the 23rd, and Zone 6 will be covered.

Nov 20th, there will be a DPH staff meeting to inventory two trailers of supplies for the upcoming POD exercise. Anyone wishing to help, or just sit and watch how it's all prepped, may attend.

Hospital net: Dan Darsey -- We had a successful net. All contacts required were accomplished. The DStar contact was made on the Fayetteville repeater, KK4GQ.

No further reports being available, some upcoming dates were mentioned:

Nov 16 - VE Session. 0730 at Huddle House for breakfast, and then VE starts at 0900 at Fire Station 7.

Dec 6 - Our annual Christmas Dinner has been confirmed for 1800 at Buckner's Family Restaurant.

Dec 21 - Tech Saturday -- a possible Fox Hunt, tba by Elaine. Melvin mentioned that this issue of *QST* has an article about Fox Hunting that everyone might find interesting.

No Old Business was conducted.

For New Business, Nancy asked everyone to consider the possibility of being an Assistant Program Director. Buzz has coordinated programs and Tech Saturdays for years, and it is time to give him a break. As VP, it is technically Nancy's job, but she is still new to the business and doesn't have many contacts. If the new Assistant will help come up with programs and/or speakers, Nancy will be glad to do arrangements.

Next Nancy asked for suggestions for programs and Tech Saturdays. John stated he would like to do a survey to see which areas of ham radio the members would be interested in pursuing further for programs or group training. Nancy asked him to put the survey together and she would put it in The Repeater. Several suggestions were brought up for 2020's meetings.

So far, we have for 2020:

January -- *Tuning Your Radio* / Winford Barnes

February -- *Programming Your DMR Radio* / Chris Southerland

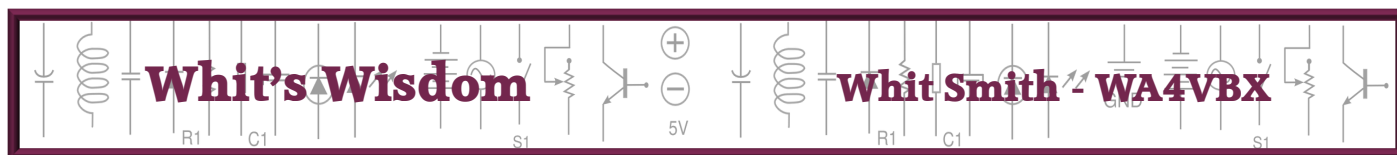
March -- *Henry Co Library Programs, part duex* / Michelle Burnham

April -- *Batteries* / Melvin Mosier

May -- *Drones* / Pete Acevedo

June -- FIELD DAY

Respectfully submitted, Nancy Phillips, VP ARCBC



Which Spark Plug ?

You buy a lawn mower, weed eater or some other tool. A year or so later you decide to replace the spark plug and you cannot find the manual that came with the tool. You might have to take off the cover to read the spark plug number. How you wish the information was on a “master list” which you should have in a file folder. This information can be looked up on Champion, or E3 web sites, if you know the make and model of your tool. Other spark plug manufacturers like Bosch and Autolite are also options. Champion and/or E3 spark plugs are found in the Big Box stores.

Another item that you will need to know is which gasoline octane rating is recommended for your tool? If you go to a gasoline station that does not have the octane rating you need, then go to the next higher octane number.

Does your tool require an oil mixture or is it a 4 cycle engine? If you need a particular oil mix like 50:1, then calculate the required oil mix. One (1) gallon is 128 ounces. $128/50 = 2.56$ ounces of oil. Individual bottles of 2.56 ounces of oil are generally available. Don't assume that the oil mix is 50:1. In the past some of my equipment required an oil mix of 40:1 and 32:1. $128/40 = 3.2$ ounces. $128/32 = 4.0$ ounces.

Below is a chart that should be of some help. There are some blank spaces so you can add your particular requirements to the chart.

Item	Spark plug	Champion equivalent	E3's	Plug Gap	Oil Mix	Gasoline Octane Minimum
Stihl Chainsaw	WSR6F	852	E3.12	0.020	50:1	89
Troybilt Weed Eater	RDZ19H	940	—	0.025	NO	87
Stihl Weed Eater	CMR6H	965	E3.24	0.020	50:1	89
Sears Roto Tiller	CJ8	843-1	E3.12	0.030	NO	87
Bolens Tiller	RJ19LM	868-1	E3.10	0.030	NO	87

Treasury Report - John KA3SME

This month's statement has not posted yet, but current combined treasury is \$3328.61, with one bill to be paid soon for the GoDaddy account.

Hospital Net - Dan W4DED

Held on Sunday, Nov 3, 2019, at 1400. Onsite operators were Dan W4DED, Ken KM4HOS, Nancy K4NEP, and Glenn KK4GNO. Winlink contact was successful and contacts were made via DStar and HF with Net Control. HF contact was very strong into Savannah (Net Control).

MY NEWEST ANTENNA

_ JEFF PHILLIPS KN4FRG

Nancy and I both use a ZS6BKW G5RV as our base multi-band wire antenna and at the home station here in Missouri, this style of G5RV fits very well. The antenna dipole's length is 92' long with its ladder line at about 40'. The main issue is trees surround the antenna and as I wrote in another article the surroundings can cause havoc during storms and high wind days here in Missouri. I lost a few antennas in the past due to falling tree limbs, etc. To rectify this issue, I began research on a suitable back-up multi-band antenna that would cover the bands from 160 – 10 meter and would fit in a different location away from the threat of trees.

I began my research looking at the different multiband antennas ranging from another G5RV (center-fed), off-center fed dipole, end-fed, and others. Each of these antenna variants are half-wave, that is, a resonant radiating element with its electrical length of one half-wave, remember the calculation, $468/\text{freq}$. For a half-wave antenna, the feed point affects its impedance – the ability to match the antenna impedance to your radio and coax is the key. A typical center-fed half-wave dipole antenna presents about 72-ohms of impedance at the feed point and provides a mono-band antenna for the user – a simple single band dipole. An off-center fed half-wave presents about 200-ohms of impedance and the user could use it across the bands with an antenna tuner. Another antenna consideration is the end-fed.

The end-fed half wave antenna presents from 2000 – 4000-ohms at the feed point and the operator can use it across the bands based upon its length or antenna leg – this fact applies to the other multiband antennas also. The main question for each of these antennas is the ability to transform the impedance at the feed point to create a balanced system or at

least one a good tuner can make the rig think so. Folks either use a BALUN or UNUN dependent upon the situation. The question regarding the antenna is, "if the half-wave antenna can be impedance matched on all of its harmonics, you can then have a multiband antenna." In general, the term harmonics means a signal or wave whose frequency is a whole-number multiple of another signal or wave with some expected loss of performance. Now that I completed my research for the types of antennas, I now need to apply criteria to help determine my choice that best suits my situation.

The costs for these antennas from a reputable vendor can range from \$60 to \$200, so, I chose to build my own antenna with a low budget for the entire setup. The setup included choice of wire (\$15-\$25), materials to build an impedance transformer [(\$30) (container, insulated wire, toroid, capacitor (if needed), end-points, etc.)], coax [(either RG-8X (\$45-\$110) or LMR-400 (\$100-\$200)] – dependent upon how I would feed (center-fed/end-fed) the antenna), water proofing (\$15) and lightning arrestor (\$60) – integrate into my grounding system. I set my budget for all materials to be no more than \$200 to build and connect the antenna system to my radio. The next criteria was the antenna could not impede the driveway, be relatively easy to take down and use for portable use, and of course within my budget. After careful consideration, I chose an end-fed half-wave antenna for this situation.

The end-fed antenna offers many advantages using an impedance transformer to other wire antennas. It is usually an easy antenna to install (good for portable use), it only needs a single high point. There are many configurations including horizontal, inverted V, Inverted L, sloper, etc. Requires no hanging feedline and feed point is near the ground and

SURVEY FOR ARCBC

ARRL Member	yes / no
VHF/UHF mobile capability	yes / no
VHF/UHF HT capability	yes / no
Do you have mobile or HT 220 capability	yes / no
HF capability (Circle all that apply)	mobile / shack based
Are you able to use the 2m repeater from your home QTH	yes / no
Are you able to use the 440 repeater from your home QTH	yes / no
Do you have DStar mobile capability	yes / no
Do you have DStar HT capability	yes / no
Do you have DStar PC capability	yes / no
Are you familiar with or do you use Echolink	yes / no
Are you familiar with or do you use Fldigi	yes / no
Are you familiar with or do you use Winlink	yes / no
Are you familiar with or do you use VARA	yes / no
If using Winlink, how do you connect (circle all that apply) Telnet, Packet, Winmor, VARA	
Are you familiar with or do you use System Fusion	yes / no
Are you familiar with or do you use DMR	yes / no
Facebook page do you use this (Circle all that apply)	never, rarely, sometimes, or often
Groups IO. Do you use this (Circle all that apply)	never, rarely, sometimes, or often
Web page (Circle all that apply)	never, rarely, sometimes, or often
Do you prefer to receive club information via, email, groups IO, Facebook or Web page	
Do you have or have you participated in a NVIS antenna build	yes / no
Do you have an interest in participating in a weekly NVIS net	yes / no
What additional projects/presentations/training would you like to see (Circle all that apply) Arduino projects, soldering, additional antenna type builds, coax termination, station grounding, Anderson powerpole connectors, go kits, solar power etc....	
Fill in the blank on anything you would like to see for projects/presentations/training	

What events should the club participate in or not participate in? Fairs, festivals, 5k's etc...

General Comments

Name Optional _____

Please fill out and bring to January meeting or email to john.lipscomb@att.net

191007 BCHD Report

We got chk'd into 5 outta 5 Ga Health Dept Nets, 'nuther successful month. One of our 7 BCHD Response Team (RT) operators chk's in every Thurs AM at 0830 to the Ga DPH DStar Net fm the KW4BHD station at the BCHD office.

Remember, if you're D-Star equipped, ANY of you in the ARCoBC might wanna just listen in or chk-in fm home or your mobile station. Just tell 'em you're 'off site' and representing the Butts Co Health Dept in Jackson, GA, District 4. If you need help finding the repeaterz we use, gimme a holler and I'll give you a list or the file we use in our K4SGH or KW4BHD radios.

The BCHD is gonna do a POD Ex (Point of Dispersion Exercise) in Mar '20. A POD Ex is practice/training for Butts Co in the event we have a county-wide (or larger) medical 'event' and meds need to be transported to us then dispersed to our residents. For any of y'all thinkin' about joining our BC ARES krew, this might be just for you. BCFD, BCSO, Jackson Police, the EMA folks, and other agencies will be in on the planning and also conducting this exercise. You might find it interesting to see how local agencies work together during an 'event' and how our ARES group is implemented into the plans & exercise. If you're interested in BC ARES and/or our BCHD RT, pls contact Ken, KM4HOS, for more details.

REMINDER - ALL the BCHD RT operators should make sure they have 'up to date' FLDigi/FL Msg, and WinLink Express (w/ UZ7HO's 'Sound Modem' program) on their laptops so we're able to go 'digital' if the Health Dept staff needs us to. The KW4BHD 'station' has a Signalink and all the cables needed to hook up to your laptop. The Pkt WL freq's are already loaded into the 2820, so all you'd need is your laptop if we're called out f or an 'EVENT', Remember, the weekly Ga DPH Net chk-ins DON'T need a laptop, it's just a D-Star voice chk-in.

REMINDER - BE CAREFUL how you handle the IC-2820H radio if you have to move/ repo it WHILE IT'S ON, so you don't press the buttons on the bottom of the front faceplate and ruin yer

191007 Net Mgr Report

ARCBC held 5 ARCoBC Trng Nets in October, averaging 6+ voice chk-in's per wk, 3 on MT-63, and 7 on WL, about average. We still could use some more weekly chk-in's and NCS participation across the board, like Buzz sez, "ya cain't DO wut ya DON'T practice."

We still need NCS volunteers for the weekly Trng net each month. Elaine has November, but we still need to fill December & the following months. The 'Preamble' (script) is posted on the groups.io 'files' pages and I'll be more than happy to send you my macros for FLDigi and show you how to use 'em. Lemme know if yer interested.

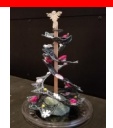
Reminder: Some (most) of our current ARES Response Team operators are over-booked, assigned to more than one RT, and if some of 'em CAN'T get to their assigned RT site due to an 'event', we may not be able to cover these sites. Pls lemme know if you're interested in supporting the Sylvan Grove Hosp, BC Health Dept, 911 Ctr, or ol' Yeller as an ARES operator. Appreciate all y'all's time & effort last month in support of Butts Co HAM radio,

Thx & 73,
Ken, KM4HOS, Butts Co Net Mgr

Tues Net NCS for November
Elaine KW4AQ



Tues Net NCS for December
Nancy (voice), Ken (Digital)



Tues Net NCS for January
Anthony N4TZY



whole day, ugghhh. Thx fer yer support...

Ken, KM4HOS

6 yer friendly, neighborhood HD rep

BUTTS CO EP SURVEY _Ken Wallis KM4HOS**Butts Co EP Survey rpt, 191007**

brought to you this month by Ken's (now de-funct) Backyard WeeGee-board Weather Prediction Svc. Yup, reliability and accuracy wuzn't our strong suit; subsequently, common sense shut us down. So fer all yer weather forecast needs, jez FLOW with it.

We almost, mighta, coulda had Zone 6 wrapped up, sep fer a bogus 'rain & wind' forecast fm da 'Backyard, WeeGee-board Wx Prediction Svc' (that'd be ME). I threw the flag on the Survey last Thursday night cuz the forecast looked purty bleak for Sat AM. Figured w/ the BC Fair in town and the Fall Festival on the Square, thought I'd get ahead of the game, CNX it, and give y'all time to resched yer wknds ... reckon that's wut I git fer thinkin', shoulda waited.

Sooo, we'll plan on doin' Zone 6 and maybe some of Zone 5 in Nov, probly on Sat, the 23rd or 30th (if y'all wanna do it Thanksgiving wknd), we'll talk about it at the meeting.

... and remember, for ALL yer 'event' WX cancellation needs, just make yer own call on the WX ... I'll be there rain er shine.

until our next Adventure into WILD (and much cooler) Butts Co,

Ken, KM4HOS

ARCBC Recreational Adventure chairman

POD Exercise**_Ken Wallis KM4HOS**

All, the reason you're gettin' this email is cuz you're part of the Butts Co Health Dept ARES Response Team. Anna & me just got back fm doin' the Health Dept Net and had a chance to talk to Krystle about the POD Ex on 5 March '20 and the part our BC ARES RT will play in it.

Our BCHD hasn't had an Point of Dispersion exercise in quite a while, so we're due. Currently Krystle and the Ga DPH are planning on dispensing a week's worth of 'pills' (actually Skittles or M&M's) to the 'county' fm the backside of the BCHD Office (WIC side) across fm the ballfields. Jackson PD will be doin' traffic control, BCFD/BC EMA - Glen Goens, other County officials, and other agencies will be involved in the planning and execution of this Exercise. Our RT's part will be ARES support if needed. The BC CERT Team may POSSIBLY be involved, but not sure, reckon Glen Goens, BC EMA might call out the CERT Team if they're needed.

There will be a Training Session for BCHD Staff on Wed, 20 Nov '19, then afterwards we'll go thru the 2 trailers that support BC DPH POD operations so we can inventory them and see what we need to update/order for the Ex in March. Anna & I will be there cuz she's helpin' out w/ the RN stuff and I'm just helpin' her + keepin' up w/ things so our RT knows wutz goin' on. Jez keepin' y'all in da loop...

All fer now,
Ken, KMHOS
yer friendly neighborhood HD rep



Thanks to the Sylvan Grove Firing Squad
for our flu *shots* this year (and for Dan for organizing this event):
Deborah, Amy, and Brooke!



NETS

SUNDAY:

(rev. 190722)

Metro ARES FM Net - 1st Sunday ONLY at 1600L,

WA4ASI repeater, Covington, 146.925-, 88.5 PL
 KK4GQ repeater, Fayetteville, 145.210 -, 131.8 PL
 KC4AQS repeater, Paulding Co, 145.805 +, 100.0 PL

GA ARES/ARCBC WL Express Net - Send an ICS-213 (or regular typed msg, if unable 213) to **KX4MAT** and WX4BCA by 2200Z. [1700L EST winter/1800L EDT summer.] Please use a Winlink RF gateway; Winmor packet, etc, if capable; otherwise, use Telnet.

GA ARES Digital Nets - 2100Z [1600 EST winter/1700 EDT summer] 3.583 MHz USB.

- **GA ARES 'Traffic' Net** - **EVERY** mo, FLDigi, MT-63 1KS, centered 2K MHz. called by GA ARES districts, send an 'I have traffic' msg when your district is called, wait til CFD'd, then ICS-213 to WX4GMA NCS.
- **GA ARES 'check-in' Net** - **Even** mos, FLDigi, MT-63, centered 1000Hz, just a 'text' check-ins only and runs concurrently with the 'Traffic' Net.
- **GA ARES D-RATS Net** - 2130Z [1630 EST/1730 EDT]. **Odd** months, port: gaares.ratflector.com, use 'chat' to ck-in; also under 'messages', send ICS-213, if able; runs concurrently with 'Traffic' net.

GA Section HF Net - 2200Z [1700 EST/1800 EDT], 3.975 MHz LSB, voice, by callsign prefix.

SE Weather Net - 2100L, D-Rats/D-Star, on sewx.ratflector.com. D-Star Voice on REF004A.

TUESDAY:

Butts County Emergency Comm Training Net - 1930L, WX4BCA repeater, 147.285 MHz, + offset, 131.8 PL, begins with voice check-ins, followed by NBEMS Digital Net. WL Express msgs accepted if Not sent the previous Sunday, send to WX4BCA with name, callsign, location, whether on mobile or aux power.

THURSDAY:

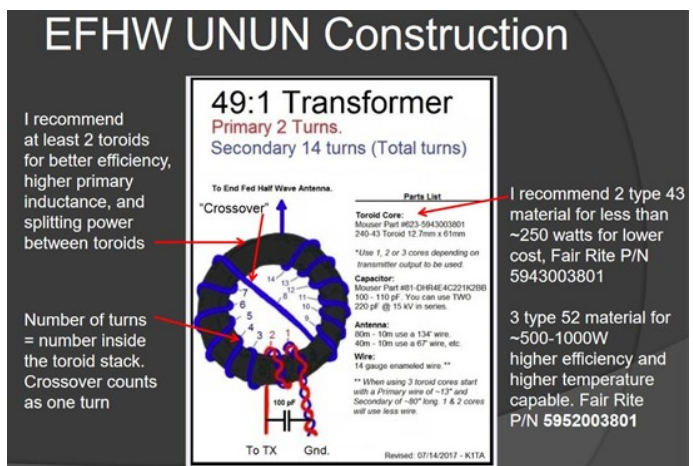
NCRC/ARES/RACES FM Net - 2000L, WA4ASI repeater, 146.925 - & 444.800 -, 88.5 PL. WL - K4NCR. May have a 'follow on' Digital Net - MT63-2KL, centered 1500 Hz, D-Rats on gaares.ratflector.com.

*** For other training opportunities, see the ARCBC Group.io website, and/or the GA ARES website for other Nets w/ days, times, freqs, protocols, etc, for your training convenience. ***

ANTENNA continued from page 4

based upon endpoint requires less coax or less of a span from transformer to radio. The antenna can create general resonance on 80/40/30/20/10/17/15/12/10 meters with a low SWR (3:1), but would require the rig's built-in antenna tuner if you build it correctly. Now, to the build.

I researched various sources and chose to build a 49:1 impedance transformer with a 132' of 18-gauge stealth wire. The first step is to build the transformer. The components I used for the transformer included 2 ferrite toroidal cores (type 43) that should provide good performance and efficiency along with supporting around 250 watts power output. The other components for the transformer is 14 gauge insulated wire and a 100pF capacitor. I followed the plans for the build and added the transformer to an ABS box.



Transformer Plan

ANTENNA continued on page 9

ANTENNA continued from page 8

The box consists of the means to attach a coax (underneath the box) and the antenna with a location to add a counterpoise as needed. The completed package is below.



At the completion of the antenna build, I chose to mount the antenna as a sloper with the highest point away from the house and the transformer (lowest) close to the house providing the shortest distance to the grounding system and the rig. I had an old TV antenna tower (27') available for the highest point for the sloping antenna. Since, *at some point*, I do plan to move to Georgia, I decided to install the tower, but not in a permanent location or position. With the help of a friend, and using a bait and tackle system, we raised the tower with an attached 10' mast. The tower is secured to a 5X5 post and the system uses a pulley system to raise and lower the 132' antenna.



I mounted the transformer to a 15' mast and the coax to the grounding system.



Tower with 10' mast.



Connection at the house to 15' mast



NOTES FROM THE BACK ACRE _ Buzz Kutcher, K3GWK



'Notes from the Back Acre' will return next month.
Buzz is out-of-town.

Georgia ARES monthly report for October, 2019
Reported by: Butts County EC, No Call, Vacant
Report ID# 11926. Submitted by: K3GWK, Buzz Kutcher - AEC

Total number of ARES members in your group is: 27
Change since last month: 0
Name of Local ARES Net: BUTTS COUNTY FM TRAINING NET
Net Frequency: 147.285 PL 131.8
Day of the week: Tuesday
Time of the Net: 19:30 LOCA
Total of Nets this month: 9
NTS Liaison: GA ARES, GA SSB
Drills, Tests and Training sessions: 8
Drills, Tests and Training Man Hours: 51
Public Service Events: 1
Public Service Man Hours: 28
Emergency Operations: 0
Emergency Operations Man Hours: 0
Misc Activities: 2
Misc man hours: 4
TOTAL ARES OPERATIONS: 11
TOTAL ARES MAN HOURS: 103

Comments: OCT2019 – Monthly meeting presentation was about DMR, presented by KJ4PLJ and KN4RXM. The hospital radio team operated the Sylvan Grove ham station for the monthly Hospital Net. W4DED, KK4QJR, KW4AQ, NI2Y, AJ4GU and K3GWK provided communications support for the Spin For Kids 100 mile bike ride in Morgan County. The Morse code class continues, instructed by W8XC. KM4HOS attended a Butts County DPH POD Drill planning meeting and K3GWK attended the school system Safety Team meeting. We continue to hold an NBEMS message training net following our weekly FM net. The Fox Hunt planned for 19OCT was cancelled due to the weather. KM4HOS, NI2Y, K3GWK, KA8LAD and W8XC continue to support the Thursday DPH Dstar Net from the Butts County DPH office. KM4HOS served as NCS for the GA ARES Digital Net on 06OCT. There were nine nets held in October, 49.5 ham hours. There were five NBEMS training sessions also. Total calculated ham hours: 180.5 (Value \$4,540.00) Membership: 12 Deployable, 10 Active, 5 Pending (K3GWK, AEC)

ANTENNA continued from page 9

Grounding
system



After completing the installation, I tested the antenna over the weekend with good results. The antenna functioned across bands 160/80/60/40/30/20/17/15/12/10 meters. 160 meters of course required the most from my antenna tuner, but all others performed well with minimum tuning and performance. I compared this antenna with the ZS6BKW G5RV and the G5RV performed the same with this antenna on 40/30/10. The end-fed performed better on 160/80/17/12 meters.

I conducted the testing using FT8/FT4 at 35w using pre/non-coordinated operators and relying on the received signal report and output power to the antenna as the testing outcome. After about 50 contacts across these bands, the end-fed is an excellent home-built choice for only \$56. The entire setup cost was about \$100. I already had the RG-8X coax (75'), but bought the antenna arresor for the grounding system. In my opinion, either antenna are good choices for a low-cost multiband antenna, but if you only have a single high point or require a significant multiband antenna for portable use, this end-fed might be your answer. ♦

_JP

Is your ARRL membership up-to-date?

This is important for our club affiliation with ARRL.

Please update and inform the membership chairman.

CALENDAR

NOVEMBER 2019

9 - HamJam - 5895 Windward Pkwy, Alpharetta
16 - Hungry Hams - Huddle House (I-75/16) - 0730
16 - VE Session - 0900, FS #7, 144 Colwell Rd
23 - Survey Zone 6 - Huddle House 0730, FS7 0900

DECEMBER 2019

6 - 9th Anniv Family Christmas Dinner - 6:00 PM
Buckner's, 1168 Bucksnot Rd, Jackson
21 - Hungry Hams - Huddle House (I-75/16) - 0730
21 - Tech Saturday - 0830, FS #7, 144 Colwell Rd

JANUARY 2020

6 - Monthly Meeting - 7PM, Jackson FGs
"Tuning Your Radio" - Winford Barnes
18 - VE Session - 0830, FS #7, 144 Colwell Rd
GA ARES meeting - GPSTC, Forsyth

FEBRUARY 2020

3 - Monthly Meeting - 7 PM, Jackson FGs
"DMR Radio Programming" - Chris Southerland
15 - Tech Saturday - 0830, FS #7, 144 Colwell Rd

MARCH 2010

2 - Monthly Meeting - 7 PM, Jackson FGs
"Henry Co Library System" - Michelle Burnham
21 - VE Session - 0830, FS # 7, 144 Colwell Rd

APRIL 2020

6 - Monthly Meeting - 7 PM, Jackson FGs
"Batteries" - Melvin Mosier
18 - Tech Saturday - 0830, FS #7, 144 Colwell Rd

MAY 2020

4 - Monthly Meeting - 7 PM, Jackson FGs
"Drones" - Pete Acevedo

CONTACT INFO

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