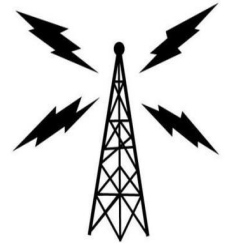




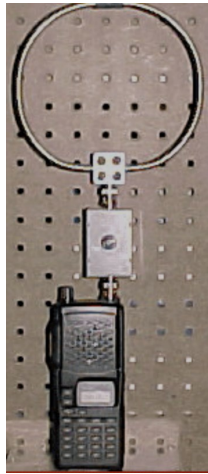
DFARG Signal



Incorporating Palmetto Amateur Radio Club

Loose the Hounds!

Transmitter hunting, T-hunting, bunny hunting, radio direction finding...whatever you call it, fox hunting is just one more fun and exciting avenue open to Hams, and, since no license is required to listen, for non-Hams, as well. Chasing direction Fox Hunting can take many forms, the simplest of which is a licensed ham hiding within a few blocks of the starting point with an HT and periodically making a transmission while others try to find him on foot. Variations on this theme can include the "fox" being hidden in plain sight in a party group or picnic activities, or sitting in a vehicle, or on a park bench reading a book. One step up from this involves conducting the activity in cars. Larger scale hunts may involve a competition with one or more unmanned automatic transmitters scattered over a course, requiring the hunters to find each transmitter in a specific order or in the shortest period of time.



Obviously, the most basic requirement for each hunter is a receiver and some kind of directional antenna. Directional antennas for fox hunting include commercial and homebrewed Yagis and directional loops. A method of achieving "directionality" (if you'll permit me that neologism), is to use some kind of shield to reception by an omnidirectional antenna.

The basic technique is to begin scanning with your directional antenna until you pick up a signal (or the strongest signal shown on your S meter) from the fox. In a very small scale, pedestrian hunt, it may be sufficient to get single bearing, and move along that bearing until you reach to fox. In many cases, however, you'll need to mark the first bearing on a map, then move to a new location and attempt to triangulate the signal.

As you get closer to the signal it will overwhelm the S-Meter making it difficult to ascertain the direction. This can be alleviated in a few ways. A commercial or homebrewed attenuator allows you to reduce the signal so you can view the

amount of change on your meter as you sweep your antenna around. Alternatively, you can use the body fade technique, holding your receiver very close to your torso and slowly turning 360 degrees. You can supplement the body fade by loosening or entirely removing your antenna to further attenuate the signal. A final method for dealing with a strong nearby signal is to tune to the second or third harmonic.

If the fox is transmitting on 146.565 MHz, turn your radio to 293.130 MHz ($146.565 + 146.565$) for the second harmonic or 439.695 MHz ($293.130 + 146.565$) for the third.

Whatever antenna you use, whatever method you employ, plan to join DFARG this weekend for our Fox Hunt!



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April 19, 2023

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Upcoming Regional Hamfests and Conventions

04/22/2023 - Calhoun Hamfest

Location: Resaca , GA

Website: <http://www.k4woc.com>

04/22/2023 - Mobile Amateur Radio Club (MARC) Hamfest

Location: Mobile, AL

Website: <http://www.w4iax.com>

04/22/2023 - ThawFest

Location: Stanardsville, VA

Website: <http://gcvarc.net>

04/22/2023 - Wiregrass ARC -

Spring Tailgate

Location: Headland, AL

Website: <http://w4dhn.org>

04/23/2023 - Maryland Mobileers

Spring Hamfest

Location: Odenton, MD

Website: <https://sites.google.com/view/marylandmobileers/hamfest?authuser=0>

04/29/2023 - DBARA Tail Gate Event

Location: Daytona Beach, FL

Website: <http://dbara.org>

04/29/2023 - Savannah Area Swap Meet Hamfest

Location: Savannah, GA

Website: http://coastalamateurradiosociety.net/wpW4LHSblog/?page_id=1155

05/06/2023 - Chris Keen Memorial Un-Fest

Location: Goldsboro, NC

Website: <http://www.k4cyp.com>

05/06/2023 - The Great Hagerstown Hamfest

Location: Boonsboro, MD

Website: <http://W3CWC.org>

05/07/2023 - JCARC Hamfest 2023

Location: Ripley, WV

Website: <http://www.jcarc.net>

05/13/2023 - Flamingo Net Flea at U. of Miami

Location: Coral Gables , FL

Website: <http://www.FlamingoNet.8m.net>

05/13/2023 - Forsyth Georgia Tailgate/Swap Meet

Location: Forsyth, GA

Website: <http://barnesvillega.net>

05/20/2023 - N7YRC Tailgate Party

Location: Union Gap, WA

Type: ARRL Hamfest

Regional Net Schedule

All Times in Eastern Time Zone

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	South Carolina SSB Net 1900 3.915						
	Coastal Carolina Emergency Net 1900 3.907						
	South Coast Amateur Radio Service 0800-1100 7.251						
	Intercontinental Amateur Traffic Net 0700-1100 14.300						
	Salvation Army Team Emergency Radio Network 1100 14.265						
	7240 Club 1000-1200 7.240						
		- -	- -	- -	- -	- -	- -
		- -	- -	- -	- -	- -	- -
1930		Little Mountain 147.210 + T156.7		CARC Simplex 146.400 1st & 3d Wed			
2000		Kershaw ARC 146.775 - T156.7	Sandlapper SSB 50.250		Calhoun ARES 146.670 - T 156.7		
2030	Columbia ARC 147.33 + T 156.7		Lexington ARES 147.000 + T123.0				
2100	Ridge ARC 146.550 Simplex				Greenwood ARS 147.165 + T 107.2		Ridge ARC First Saturday 3.959
	Ridge ARC 147.255 + T123.0 after simplex	Greenwood 443.900 T107.2 At 2000					

Upcoming DXpeditions:

Start	End	DXCC	Call
Apr01	Apr30	Monaco	3A8AB
Apr09	Apr23	Reunion	FR/FY4J
Apr10	May12	West Kiribati	T30UN
Apr12	Apr22	Timor Leste	4W1A
Apr12	Apr26	Bermuda	VP9KF
Apr13	Apr28	South Cook Is	E51WEG E51CK
Apr14	Apr20	Palau	T88UW
Apr15	Apr29	Lakshadweep Is	VU7W
Apr17	Apr23	Belize	V31JZ/p
Apr18	Apr22	Br Virgin Is	VP2V
Apr19	Apr23	Jamaica	KC8WVG/6Y
Apr20	Apr22	Mexico	XF1I
Apr20	Apr23	Monaco	3A/IW1RBI
Apr22	May05	Ogasawara	JD1BMH
Apr24	May10	Uganda	5X2I
Apr27	May07	Maldives	8Q7KB
Apr29	Apr30	Andorra	C37RC
Apr20	May09	Spratly Is	DX0NE
May01	May05	Fiji	3D2LYC
May04	May11	San Andreas & Providencias	HKOPY8WW HKO/PY7XC HKO/PY7RP

For more information go to <https://www.ng3k.com/>

Ham Humor



Upcoming Contests

April
 22 [YOTA](#)
 22-23 [SP DX RTTY](#)
 29-30 [10-10 International. DIGI](#)
[UK/EI DX CW](#)
[Helvetia](#)
[Florida QSOP](#)

May
 6-7 [ARI International](#)
[7th Call Region QSOP](#)
[Indiana QSOP](#)
[New England QSOP](#)
[Delaware QSOP](#)
 13-14 [Canadian Prairies QSOP](#)
[Portuguese Navy Day](#)
[VOLTA RTTY](#)
[CQ-M International](#)

March 16 Meeting Minutes

President Tim Smith, K4OIW, called the meeting to order at 1900. Minutes of the February 16 meeting prepared and posted on line by VP Charlie Brown in the Secretaries absence were approved without objection. Treasurer John Seibels reported an account balance of \$3,667.29 after disbursement of \$1,296.90 for the tower lift and \$12.84 for the monthly gas bill.

The dues attached Application for family Membership of Joe Russo, WB4VMX, his son Joe and daughter Karen was submitted for vote and unanimously approved. A round robin welcoming followed as each DFARG-PARC member introduced them self to our new extra class, ARRL life member Joe Russo. While Joe and his son live near by in Newberry his daughter resides in Virginia Beach, Virginia. We are pleased to have Joe and his family join our Group.

Doug Welborn, K4FI, received the tower lift, Razor, ordered last year checked and assembled hardware then brought it to the meeting for show and tell. The Razor is an impressive triangular shaped galvanized steel structure with SS rollers that will be attached to and hoisted up to the top of our 45G tower with its payload of antennas.

Doug is to be recognized and

commended for undertaking acquisition assembly and installation of the Razor as much work remains to be done. Doug advises that he would like to retain Alpha Tree Service from Little Mountain to initially clear the tower of guy wires, existing antennas, rotor, cables and obstructing tree limbs then assist with installation of the Razor, winch, pulley, antennas, rotor, cables and guy wires. Ideally all to be achieved the same day.

While Smitty has donated the StepIR beam with controller, winch and Tail Twister Rotor additional parts and services are required for installation. Therefore, DFARG-PARC was requested to approve retaining Alpha Tree Service and the cost of any and all parts and equipment that in Doug's opinion are needed to complete installation of the Razor including but not limited to controller repair, controller cable, rotor cable, coaxial cable, winch cable, guy wire & connectors, winch bracket & pulley, controller power supply, winch battery/PS. Where upon Secretary Jim Walters offered motion to authorize Doug Welborn, K4FI, to purchase, retain or otherwise acquire any and all service or parts necessary in his opinion to complete in a professional manner the Razor installation. The motion was approved without objection.

VP and Activity Committee Charlie

Brown, KD4CB, announced former President John Miller, K4IG, would conduct foxhunt training at the April 20, meeting for those members wanting a challenge. CB will show members how to construct their own light weight, high gain, multi element, yagi antenna for use with an HT during the foxhunt that is scheduled Saturday, April 22.

Our guest speaker was Charles McKinnis, KU5N, an officer of the Columbia Amateur radio Club whose wife and two of his four children are hams. We also understand that KU5N's father and Grandfather were hams. It's not surprising that he taught us how to make PC Boards at home as his hobbies are robotics, single-board computers, micro processors and electronics in general. KU5N explained in detail how to using Eagle Cad software laser print a micro processor schematic for transfer onto a copper sided bake lite circuit board. Where the last step was to etch the traces clean with acetate before soldering on the surface mounts components. A well prepared and interesting presentation.

Hugh Sammons asked that we give a call or send a sympathy card to Jerry Studemire, John Compton, KJ4TL, Milton Wright, KK4TL and Dennis Parker, K4DWP, ham friends who are not doing well.

Upon the Secretary's approved motion the DFARG-PARC March 16, 2023, meeting was adjourned.