

The Signal Report

A Publication of the Greenwood Amateur Radio Society

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DECEMBER

[HTTP://WWW.W4GWD.ORG](http://www.w4gwd.org)

[W4GWD@ARRL.NET](mailto:w4gwd@arrl.net)

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The W4GWD Repeater Network

147.165+ t107.2

Echolink: 584003

443.900+ t107.2

W4DEW/R

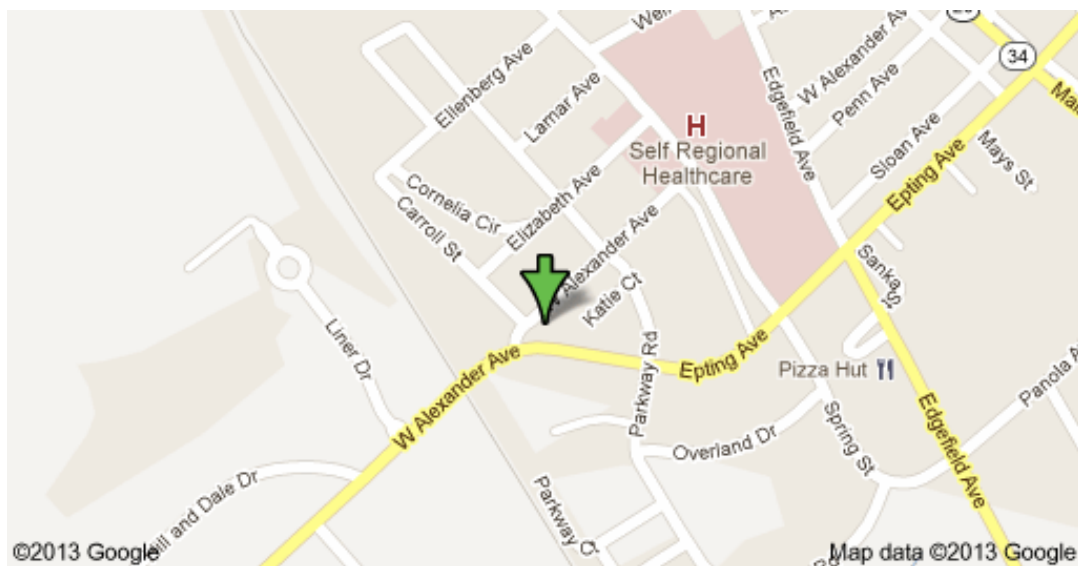
146.910- t123.0

W4GWM/R

145.360- DV

December Meeting

The December meeting is replaced by our annual Christmas dinner. This year's dinner will be held at O'Charley's on the Bypass... December 15th 6:30pm. Dutch Treat. RSVP By 12/1/14 to Tedd AI4WN or Dave K4DWR.



Echolink & DStar Update

Echolink is Running 100%. D-Star is up, and regularly connected to Reflector 30C.

Are you an ARRL Member? Joining ARRL helps protect our rights as Amateur Radio Operators as well as providing education, QSL Bureau, technical advise, and the ARRL VEC. <http://www.arrl.org>





Like us on Facebook

facebook.com/
GreenwoodARS

Society Events:

Chat 'N' Chew

Every Friday at 11:30am the members of the Greenwood Amateur Radio society meet at **Ryan's**, Bypass 25 NW, Greenwood.

Everyone is welcome to have lunch or sip your favorite beverage and chat for a while.

(Dutch treat).

VE Exam Session December 2nd, 2014 7:00pm

GARS ARRL Volunteer Examiners (VE) Team will have an exam session 7:00pm Tuesday, December 2nd at The American Red Cross Building 520 Epting Avenue, Greenwood, SC 29646.

Weekly Net

Each Thursday night at 9pm on the 147.165+ machine, The Greenwood Amateur Radio Society holds our weekly 2 meter net. Help spread the word for everyone to check-in to our net. If you would like to fill in or be a backup net control please let Buddy Willis, W4DEW know.

Congratulations

Happy Birthday!

Jean Farmer	W4KKA	December 24
Jim Gresham	AK4EK	December 31
Eldora Keck	KB4YON	December 31
Joe Suddeth	KK4RVC	January 4
Buddy Willis	W4DEW	January 7
Kin Maffett	KJ4BAK	January 13
Tyrone Sullivan	KJ4FWM	January 13
Gail Davison		January 21

Happy Anniversary!

Darrell KI4BST and Dena Manning	December 3
Bert KJ4VJ and Eldora KB4YON Keck	December 22
Cole KK4RVA and Jackie Floyd	December 24
Tommy KV4TH and Angela Owens	January 8

Phil's Corner:

Hamisms #655

Guess not...

DMR? Why? What? Info from <http://dmr-marc.net/>

DMR is an open and published international digital radio standard that specifies the 2-slot (channel) TDMA communications. DMR is amateur radio's newest digital protocol.

DMR radios are produced by several manufacturers and they all work on TRBO systems as long as they are Tier II compliant. DMR is unfortunately not compatible with Icom's D-Star technology.

DMR also satisfies the FCC's narrow-banding mandate by being 6.25 kHz equivalent. It's actually more spectrum efficient than other 6.25 kHz modes since no guard band is needed for the two channels. DMR is 1/3 the channel bandwidth of a 25 kHz analog signal with twice the number of voice channels.

Many DMR radios have to satisfy both ETSI and TIA specs to perform in the most challenging RF environments. When you use a commercial radio for amateur radio you'll notice it has better intermod rejection, better selectivity, less spurious emissions, and it is mechanically a very well designed radio, as found in top shelf Amateur equipment. DMR (and in particular MOTOTRBO) has 2 layers of packet recovery: Forward Error Correction and Cyclic Redundancy Codes. This reduces the errors and "R2D2" found with other digital schemes.

Motorola DMR radios feature roaming. Roaming works similarly to mobile/cellular phone technology. If you program your radio properly it will find the repeater with the best signal in your local area and without your intervention, it will roam to that repeater.

DMR is becoming an up and rising radio technology available to Hams. It has its upsides and downsides, but is another tool for us to use.

The Greenwood DMR repeater is owned and operated by SCHeart/SC ETV. It is available at 443.8375+ Local talkgroup 27511.

HAMFESTS and EVENTS:

Mark your Calendars! Greenwood Amateur Radio Society Hamfest at Piedmont Technical College January 2015

01/10/2015

Greenwood Amateur Radio Society Presents Hamfest 2015

Piedmont Technical College - James Medford Center

620 North Emerald Road Greenwood, SC 29646

<http://w4gwd.org> Talk-In: 147.165+ (PL 107.2)

Contact: Tedd Davison , AI4WN Phone: 864-377-1872 Email: ai4wn@arrl.net

Greenwood Amateur Radio Society Meeting Refreshments List:

2014

November: Open

Jan 2015: Open

Feb 2015: Open

March 2015: George & Betty

April 2015: Open

May 2015: Open

June 2015: Open

July 2015: Open

August 2015: Open

September 2015: Open

Let's fill those open slots!

Send an email to adam@wj4x.net to reserve your spot!

We will ask for volunteers for the refreshments list over the next few weeks, so be thinking of what month you'd like to volunteer!

Packet Cluster:

- ◆ The American Radio Relay League protects our rights as Amateur Radio Operators <http://www.arrl.org>
- ◆ Support for SERA supports proper coordination! <http://www.sera.org>
- ◆ Remember your local and regional interest clubs!
- ◆ Southeast DX Club <http://www.sedxc.org>
- ◆ Spread The Word! 147.165 Net Thurs. 9pm
- ◆ Callsign info <http://www.ae7q.com>
- ◆ Track us: <http://aprs.fi>

Classifieds:



Kenwood TM-271 2 Meter radio. New in box, never used. Perfect for that APRS station you've always wanted. \$150. Contact adam@wj4x.net

If anyone has any Ham radio stuff to sell or trade... list it in this column by calling Buddy, w4dew@arrl.net, 864-445-7574
If you want to see your article or wish to advertise in The Signal Report, please send an email to the newsletter staff via newsletter@wj4x.net