



2015 CLUB

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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**

145.420- DV

# The Signal Report

A Publication of the Greenwood Amateur Radio Society

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

[W4GWD@ARRL.NET](mailto:W4GWD@ARRL.NET)

## Digital Update

D-Star is up, and regularly connected to Reflector 30C.

Echolink is up.

APRS iGate is up

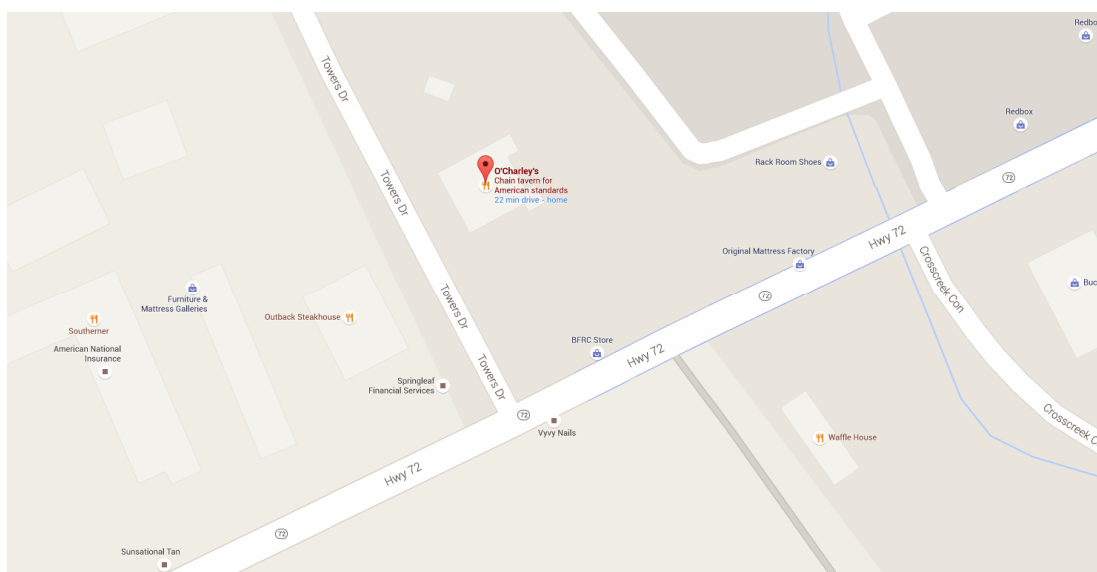
Downtown Digi coming soon.

WJ4X-7 Packet Node is up and connected to the Carolinas Packet System.

## December Meeting

The December meeting is replaced by our Holiday Meal which will be at O'Charley's on 72 in Greenwood. We will get started at 6:30PM Tuesday December 15th 2015.

We hope to see each of you there!





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 February 2nd, 2015 7:00pm

GARS ARRL Volunteer Examiners (VE) Team will have an exam session 7:00pm Tuesday, December 1st 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. Our UHF net on 443.900+ is held Mondays at 8pm

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 contact Tedd Davison AI4WN@arrl.net

## Congratulations

### Happy Birthday!

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

### Happy Anniversary!

Darrell AF4E and Dena Manning	Dec 3
Bert KJ4VJ and Eldora KB4YON Keck	Dec 22
Cole KK4RVA and Jackie Floyd	Dec 24
Tommy KV4TH and Angela Owens	Jan 8

Phil's Corner:

Hamisms #4198

Hope you have a Happy and Safe Holiday Season!

## Remember to Volunteer for the Refreshment List

**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>**



## Happy Holidays!

The officers and staff of the Greenwood Amateur Radio Society would like to wish each and every one of you a Happy Holiday Season!

## 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.

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

The Greenwood DMR repeater is owned and operated by SCHeart/SC ETV. It is available at 443.8375+ Talkgroups at <http://ncprn.net/>

# HAMFESTS and EVENTS:

Mark your Calendars! Greenwood Amateur Radio Society Hamfest at Piedmont Technical College January 9, 2016

**1-9-2016 Greenwood Hamfest** Piedmont Technical College James Medford Family Event Center  
620 North Emerald Road Greenwood, SC 29646 <http://www.w4gwd.org> Greenwood Amateur Radio Society  
Talk In: 147.165+ t107.2 Contact: Adam Shirley WJ4X 843-361-5855 [wj4x@arrl.net](mailto:wj4x@arrl.net)

**09/03-04/2016 Shelby Hamfest** Cleveland County Fairgrounds 1751 East Marion Street  
Shelby, NC 28150 <http://shelbyhamfest.org> Shelby Amateur Radio Club Talk-In: 146.88 (no pl)  
Contact: Ben Melvin, KM4C 704-477-1813 [km4c@me.com](mailto:km4c@me.com)

## Greenwood Amateur Radio Society Meeting Refreshments List:

### 2015

January 2016: Open

February 2016: Open

March 2016: Open

April 2016: Open

May 2016: Open

June 2016: Open

July 2016: Open

August 2016: Open

September 2016: Open

October 2016: Open

Let's fill those open slots!

Send an email to [adam@wj4x.net](mailto: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 on APRS: <http://aprs.fi>

### Classifieds:

**Kenwood TM-D710A Dual Band Dual Receive VHF/UHF. Built in TNC for APRS and other digital modes. \$400 Contact Joe Mimms K4GBH [k4gbhjoe8@gmail.com](mailto:k4gbhjoe8@gmail.com) 864-746-9517**

**2 Meter Magnet Mount whip. Would like to trade for a mobile scanner antenna. Contact Stephen Lyda [stephenlyda@yahoo.com](mailto:stephenlyda@yahoo.com)**

**Kenwood TS-2000 All mode, All Band, complete shack in a box. Built in TNC, sub receiver for V/UHF and packet. \$1100; Contact Adam WJ4X [adam@wj4x.net](mailto: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](mailto: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](mailto:newsletter@wj4x.net)

