



The Signal Report

A Publication of the Greenwood Amateur Radio Society

VOLUME 10 ISSUE 9

SEPTEMBER

HTTP://WWW.W4GWD.ORG

W4GWD@ARRL.NET

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147.165+ t107.2
Echolink: 584003
443.900+ t107.2

W4DEW/R

146.910- t123.0

W4GWM/R

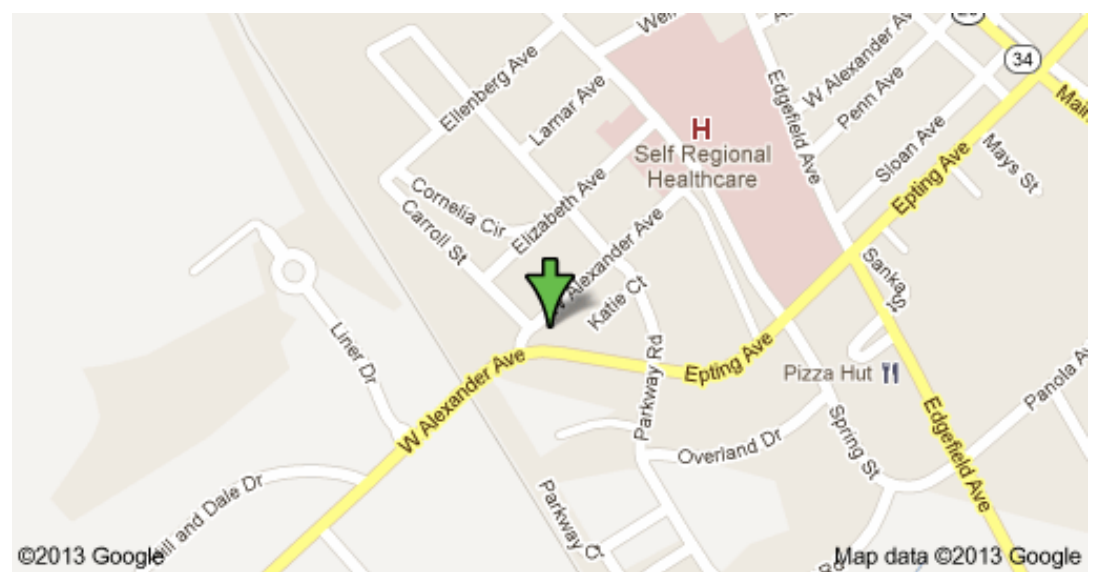
145.360- DV

Drone, ham radio destroyed amid headbutting assault via Kevan N4XL

AUSTIN (KXAN) – An Austin man is facing charges after police say he tossed a drone and a ham radio over the fence because he was tired of his neighbor “getting in his head.” Steven Anthony Garza faces an assault charge in connection with the incident. According to the arrest affidavit filed by Austin Police, Garza stormed into Matthew Hammons’ yard while Hammons was using his amateur radio equipment to talk with his father. While inside his home, Hammons told police he watched as Garza threw his Yaesu 857D radio and a personal DJI Phantom drone over the fence causing \$4,000 in damage. Garza told the officers Hammons was using the equipment to spy on him and was using “triangulation” to speak to him in his head. Garza was arrested and booked into the Travis County Jail on charges of assault causing bodily injury and criminal mischief. He was still in jail in lieu of \$10,000 bond

September Meeting

This month’s meeting will be Monday, September 15th. The Greenwood Amateur Radio Society now meets at the American Red Cross building, 520 Epting Ave. Greenwood, SC. Please join us at 7 for light refreshments, the meeting starts at 7:30 sharp.





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 October 7th, 2014 7:00pm

GARS ARRL Volunteer Examiners (VE) Team will have an exam session 7:00pm Tuesday, October 7th 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!

Betty Crane		September 9
Marion Elledge	KC4IAV	September 11
Tommy Owens	KV4TH	September 13
Patrick Sutton	KJ4MUP	September 25
Margaret Haynes	KJ4HDK	September 26
Earl Powell	KC4AXY	September 27
Raymond White	KJ4RYC	October 23
Elaine Dukes	KA4PLU	October 27
David Haynes	AJ4PU	October 28
Jackie Floyd		October 31

Happy Anniversary!

Dan KK6AA and Jean W4KKA Farmer
September 3
Al KB4RA and Jane West
September 8
Jim W3COX and Karla WB3LNX Cox
September 16
David K4DWR and Betsy Russ
October 14

Phil's Corner:

Hamisms #1359

CQ Dinner! CQ
Dinner! CQ
Dinner! Dinner,
come in please!

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>



Echolink & DStar Update

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

Receiver Dynamic Range from Kevan N4XL

Receiver dynamic range is the ability of a receiver to receive a weak signal without loss of readability while a strong signal is present. The higher the dynamic range the better. The lower the value the harder it is for a radio to “pick out the weak ones” when strong signals are present. Strong signals close to your frequency can of course occur in contests and Field Day, but other real world situations arise too. Say you are carrying on a SSB conversation with a European station on 7210. His signal level is S4 and you are copying him just fine since the noise on 40 meters is low tonight. Then an S9 + 20dB station starts transmitting on 7212. The strong signal will likely affect your radio causing you to play with your filters and attenuators. With poor dynamic range you may not be able to hear the European station at all. If your radio has a high dynamic range you have a much better chance of continuing the conversation.

Rob Sherwood, NC0B, has independently measured receiver data for many popular radios used by DXers and Contesters. Here’s a sampling of rigs from his website at www.sherweng.com/table.html. There are many other important specifications to look at when choosing a radio than just dynamic range and he has other receiver information there too. His data is considered by many to be more reliable than the ARRL’s published values.

A radio may have different values of dynamic range depending upon the pass band of its roofing filters and circuit design. Values below are for wide spaced signals often found on SSB. Many rigs show much worse dynamic range when used at closer CW spacing. Rob’s website lists the radios by the ones with the best narrow spaced dynamic range. Well-designed rigs like the K3 show little difference between wide and narrow spacing. That is why he rates the Ten Tec Eagle over the TS-590 – the close in spacing of the Eagle is better than the TS-590 by 2 dB even though the 590 has better wide spacing. If you do mainly SSB over CW or digital you may find the wide spaced values below to be more important.

K3	104		IC-765	102
FTdx-5000D	105		TS-830 w/YK88	84
Flex 5000A	96		IC7600	100
Orion II	95		Icom Pro III	99
Eagle	93		IC-706 MkIIG	87
Flex 3000	90		FT-1000MP Field	89
TS-590	104		FT-1000D	90
TS-990	111		TS-430S	78
FTdx-3000	80		FT-2000	81

HAMFESTS and EVENTS:

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

10/18/2014 Anderson Hamfest Darwin Wright Municipal Park 1002 Manse Jolly Road Anderson, SC 29621 <http://www.andersonradioclub.com> Talk-In: 146.790 Contact: James Hampton, WA4JWS 864-932-7478 brookele@brookelect.com

10/11/2014 Augusta, GA Hamfest Blythe Area Community Center 3129 Highway 88 Blythe, GA 30805 <http://www.theamateurradioclubofaugusta.org> Amateur Radio Club of Augusta Talk In: 145.490 Contact: Douglas Pugh, KE4JSJ 1806 Birch Drive North Augusta, SC 29860 803-279-6725 doug9933@gmail.com

Greenwood Amateur Radio Society Meeting Refreshments List:

2014

September: Buddy & Theaster

October: George & Betty

November: Dan & Jean

Jan 2015: Open

Feb 2015: Open

March 2015: Open

April 2015: Open

May 2015: Open

June 2015: Open

July 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