

	<p><b>XWARN was established after the 1974 Xenia Tornado to provide early notification to the citizens of Greene County in the event of Severe Weather situations. Volunteer Amateur Radio Operators train as weather spotters and stand ready to report severe weather to the National Weather Service via Amateur Radio.</b></p>
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**There are 3 stages of development for XWARN Weather Nets in Greene County.**

**Level One - A Watch is Issued**

If the National Weather Service issues a Severe Thunderstorm or Tornado WATCH that involves Greene County, the repeater has a vocal identifier that says "Weather Watch". This is to make users of the repeater aware that a "watch" has been issued. Net control operators will occasionally announce the details throughout the watch period. You can also tune to the NWS radio at 162.475 MHz for more information. There is no net operating at this time. The repeater is open for normal use

**Level Two - Severe Storm is Imminent**

As severe weather approaches, a Net Control Station may begin a relaxed net. The courtesy tone is changed from the normal bubble tones to a Morse code letter "X". At this time, the Net Control may ask for check-ins from radio operators in Greene County to determine who is available and in what parts of the county. A Liaison is established with the Dayton Skywarn Net. The repeater may be available for normal usage, but check with the Net Control Station first.

**Level Three - Warning**

Severe Weather has, or is about to enter Greene County. A WARNING has likely been issued by the NWS. The repeater is now placed under a directed net. The courtesy tone is changed to a Morse code letter "W". The Net Control Station will read the warning information. All stations should LISTEN and NOT TRANSMIT unless they have EMERGENCY or PRIORITY Traffic, or SPECIFIC INFORMATION as requested by the Net Control Station.

*The Net is looking for reports of severe weather as outlined in the NWS storm spotter guide, such as:*

- Tornadoes, Funnel Clouds, Wall Clouds, Persistent rotation in the clouds,**
- Hail that is 1/2 inch or larger - and how much, is it covering the ground?**
- Tree's uprooted or downed, Large limbs down - is it healthy? - what diameter?,**
- Building's damaged - what extent?**

*These reports are forwarded to the NWS via the Dayton Skywarn Net.*

PLEASE - DO NOT REPORT INFORMATION THAT YOU HEAR FROM POLICE / FIRE SCANNERS, OR RADIO / TV / CABLE STATIONS.

These agencies report their information directly to the NWS, and repeating it on an Amateur Radio Weather Net can cause misinformation and confusion for the NWS, and may cause false or delayed alerts.

**Know Your Location!**

When reporting severe weather or damage, give the net control good directions. Give him the town you are in or nearest to, as well as an intersection of 2 major roads that you are near. If you are not near a town, give the quadrant of the county you are in, i.e.; South East, South West, North East, or North West quadrant.

**Severe Weather can pop up without notice at any time.  
The first two stages may be pre-empted.    ⇨⇨⇨⇨⇨⇨**

## What if it really happens?

### Stay Cool!

In the event that an area is hit with damage, XWARN will continue the weather net on the 147.165 repeater until the "all clear" is given by NWS. More weather may be coming our way. Other counties and the NWS Still depend on our reports (i.e. Clark, Fayette).

### G.C.A.R.E.S. NET HANDOFF

In the event of severe weather impacting the area and causing widespread damage, Once the current weather situation is over, XWARN Net will stand down, and The Greene County ARES Emergency Frequency Plan and Emergency Operations Plan will be implemented. Tactical, Resource, and Command nets will be established on various repeaters / frequencies based upon the areas that have suffered damage. The XWARN Weather Net will be on STANDBY in case more severe weather develops. Use the chart below for additional repeater information.

**For Weather Net purposes, the primary repeater is 147.165 + (XWARN)  
Backup Weather net Repeater is 147.045.+ (BARC)**

### XWARN's Frequency is 147.165+ Greene County's Primary Weather repeater.

(Note to Amateur Radio Operators - There is a 100Hz tone on one receive site.  
Program this into your radios for best access to the repeater)

### Other Greene County Frequencies / Repeaters

Repeaters	Simplex - 2 meter
147.045+ Bellbrook / Sugarcreek BARC	147.555 - Greene County Primary Simplex
146.910- Greene County ARES	147.480 - Xenia Primary Simplex
145.410- (118.8 Hz. pl) Fairborn UVARC	147.405 - Bellbrook/ Sugarcreek Primary Simplex
147.105+ Xenia - KB8III	147.510 * 147.450 * 146.430 * 146.490 * 146.550
442.375+ (118.8 Hz. pl) Fairborn UVARC	
442.725+ Greene County ARES	<b>Simplex - 70 CM</b>
443.100+ Xenia XWARN	445.100 * 445.400 * 446.100 * 446.400 * 446.700 *
444.3125+ (131.8 Hz. pl) WPAFB	446.850
443.675+ Bellbrook / Sugarcreek BARC	

All frequencies listed here are in megahertz (MHz)

Note to Spotters who are not Amateur Radio Operators - These frequencies can be heard on most any scanner available today. You are invited to tune in and listen, but do not report the information heard on these frequencies to the NWS. Rather, report your observations via telephone directly to NWS, using the 1-800 number provided to you in this training.

### For More Information:

NWS Wilmington, Ohio - <http://www.erh.noaa.gov/er/iln/iln.htm>

Storms Prediction Center - <http://www.spc.noaa.gov/products/outlook>

**Updates to this handout** - <http://www.qsl.net/n8acu/xgcwn.htm>

### XWARN

Xenia Weather Amateur Radio Net - [www.qsl.net/xwarn](http://www.qsl.net/xwarn)

P.O. Box 562 Xenia, Ohio 45385

Meetings are 2<sup>nd</sup> Mondays of the month at 7:30P.M.in the Greene Memorial Hospital Auditorium.

### Other Links:

How to get licensed to operate Amateur Radios - [www.qsl.net/n8acu](http://www.qsl.net/n8acu)

Greene County ARES - <http://gcares.febo.com/index.htm>

Weather Radios - <http://www.qsl.net/n8acu/noaaeas.htm>

National SKYWARN site- <http://www.skywarn.com>

Dayton SKYWARN site- <http://www.dayton-skywarn.org>

Ohio ARES District 3 site - <http://www.qsl.net/ohd3ares>