

## ***SAME Technology***

You want a NOAA Weather Radio, but you do not want to be awakened at 3 am for a warning that is three counties away? The Specific Area Message Encoding (SAME) technology will solve this problem for you!

NOAA Weather Radios that have the SAME feature will enable you to select which counties to be alerted. With this technology, a warning issued by the NWS in Huntsville will only wake you in the night when the threat is approaching your county. Using the SAME codes below, you can accurately program your weather radio based on your county and available transmitter.

### **SAME CODES FOR THE TENNESSEE VALLEY**

COUNTY	FIPS/SAME Code	TRANSMITTER
Colbert, AL	001033	Florence, AL
Cullman, AL	001043	Arab, AL Cullman, AL
DeKalb, AL	001049	Arab, AL Fort Payne, AL
Franklin, AL	001059	Florence, AL
Jackson, AL	001071	Arab, AL Fort Payne, AL Huntsville, AL Winchester, TN
Lauderdale, AL	001077	Florence, AL
Lawrence, AL	001079	Florence, AL Huntsville, AL
Limestone, AL	001083	Huntsville, AL
Madison, AL	001089	Arab, AL Huntsville, AL Winchester, TN
Marshall, AL	001095	Arab, AL Fort Payne, AL Huntsville, AL
Morgan, AL	001103	Huntsville, AL
Franklin, TN	047051	Winchester, TN
Lincoln, TN	047103	Huntsville, AL Winchester, TN
Moore, TN	047127	Winchester, TN

## ***What is NOAA Weather Radio?***

- ◇ NOAA Weather Radio is a continuous broadcast of the latest weather information, 24 hours a day, 7 days a week.
- ◇ A **free** service from the National Weather Service and other Federal/State agencies.
- ◇ The quickest way to protect you from impending weather.
- ◇ A dependable and affordable source of valuable weather information.
- ◇ In a span of usually 5 to 7 minutes, you can get the latest weather conditions for your local and surrounding area, forecast information up to 7 days, and weather.

### ***Where Can I Buy a Radio?***

NOAA Weather Radios are available at most electronic stores. The cost of a typical radio is usually between \$20 and \$50. NOAA Weather Radios with SAME technology could cost extra. More information about NOAA Weather Radios is available at:

***<http://www.nws.noaa.gov/nwr>***

Broadcast range from the NOAA Weather Radio transmitter is approximately 40 miles. The effective range depends on terrain and location. Before you buy a receiver, make sure your area has good transmitter coverage and reception.

### ***The Automated Voice***

NOAA Weather Radio broadcasts use a synthetic voice that allows timely broadcasts of new information and permits National Weather Service meteorologists to concentrate on other duties such as forecasting and severe weather.

\* Front Cover Photo of Huntsville Tornado on January 21, 2010 from the roof of the NSSTC/UAH Building. Photo courtesy of Chris Schultz.



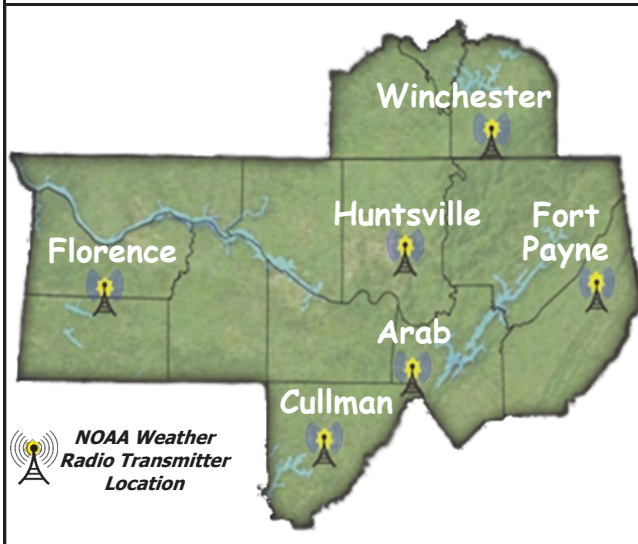
***...the voice of the  
NATIONAL WEATHER SERVICE***



**National Weather Service  
Huntsville, AL  
(256) 890-8503  
[www.weather.gov/huntsville](http://www.weather.gov/huntsville)**

## NWS HUNTSVILLE TRANSMITTERS

Arab, AL	162.525 MHz	WNG-642
Cullman, AL	162.450 MHz	WWF-66
Florence, AL	162.475 MHz	KIH-57
Fort Payne, AL	162.500 MHz	WWF-44
Huntsville, AL	162.400 MHz	KIH-20
Winchester, TN	162.525 MHz	WNG-554



### Be Prepared!

Everyone should have a plan during severe weather. A NOAA Weather Radio is a good item to have as part of that plan. By listening to NOAA Weather Radio, you can stay on top of the latest severe weather information.

National Weather Service meteorologists use the latest technology, such as Doppler radar, to issue warnings. When the decision to issue a warning is made, the information is broadcast on NOAA Weather Radio.

### Typical Programming...

- ◇ All Watches, Warnings, and Advisories.
- ◇ Current weather conditions.
- ◇ Latest forecasts.
- ◇ Climate and River information.

### Not Just Weather...

NOAA Weather Radio provides more than just weather information. It also is a means of distribution for non-weather related hazardous information, such as AMBER alerts and Civil Emergency Messages (toxic spills, 911 outages, etc.).

Be warned of approaching storms before the storm arrives whether at home or work! You can listen to the NOAA Weather Radio broadcast no matter your location. When you are outdoors or traveling, a NOAA Weather Radio may be the only thing available to provide you with the latest weather information.

### What if the Power Goes Out?

With a battery powered NOAA Weather Radio, you will always have the latest severe weather information, even during a power outage. Change out your batteries when you change your clocks in the spring and fall.

### Troubleshooting Tips

- ◇ Be sure your receiver is tuned to the matching channel and frequency for your area.
- ◇ Place your NOAA Weather Radio near a window facing your transmitter, with the antenna fully extended.
- ◇ Double-check you have programmed the correct codes for your county, and include a one county buffer to the west and south.
- ◇ Check your receiver each Wednesday between 11 AM and 12 PM for the routine weekly test disseminated by the National Weather Service.

WEATHER HAZARD	WATCH	WARNING
<b>SEVERE THUNDERSTORM</b>	Conditions are favorable for the development of severe thunderstorms in and close to the watch area.	Quarter size hail or winds greater than 58 mph is imminent or has been indicated by Doppler Radar or reported by storm spotters.
<b>TORNADO</b>	Conditions are favorable for the development of tornadoes in and close to the watch area.	A tornado is imminent or has been indicated by Doppler Radar or reported by storm spotters.
<b>FLASH FLOOD or FLOOD</b>	Conditions are favorable for flash flooding or flooding in and close to the watch area.	Flash flooding or flooding is imminent or has been reported by storm spotters.
<b>WINTER STORM</b>	Hazardous winter weather conditions, such as heavy snow and/or ice, are likely in your area.	Hazardous winter weather conditions have begun or are about to begin.