

TO: ALL WOOD COUNTY EMERGENCY COMMUNICATIONS AMATEURS
ALL NON-WOOD COUNTY EMERGENCY COMMUNICATIONS AMATEURS
FROM: KEN HARRIS WA8LLM
WOOD COUNTY EMERGENCY COMMUNICATIONS INCORPORATED

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SUBJECT: WHAT IS A REPEATER SYSTEM?

Most VHF and UHF voice repeaters are just what they say they are. They are devices that repeats any voice, or data transmissions that comes into the receiver section of the unit. There are some repeaters that are more then just a repeater. A repeater that has more than one receiver or transmitter can be called a system.

Repeater systems are more complicated then regular repeaters. They have more circuitry that needs to be adjusted and balanced to make them work better. Some repeater systems are equipped with several remote receivers, or more than one repeater linked together. Repeater systems are built to try to make sure they can cover as much area as possible. Most repeaters are not designed to use Handheld coverage over a large area, so a more complex system may be required.

Most repeaters are built so that mobile units and base stations can communicate over large areas, which is fine, but during some emergencies, emergency communicators aren't able to take their high or medium power mobile units to all locations. By having more then one receiver, or repeater, in a repeater system, handheld coverage can be greatly increased.

Repeater systems can, and will, have lot more problems, than just plain repeaters, but they are designed to have large areas of coverage.

Ken Harris WA8LLM
WCEC
Wood County