Ham 46G – Where, a Synopsis
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Current Status

1. Simplex radio is the ultimate security, but has short range, near line of sight. It is one-on-one.
2. Repeater (duplex) radio combines most of Evergreen Net together except Coweta, Sapulpa, Haskell.
3. Those require a different antenna, 20' long Telewave ANT150D6-9, or similar
4. It would require a stouter tower. Flagpole type is probable if this were only objective.

A Bug

1. EchoLink has a technical bug, which would not accommodate large number of users on the AllStarLink repeater.
2. Their support informed us that nodes, even not using EchoLink, caused a problem.
3. Further research revealed more security concerns.
4. We no longer use EchoLink and port forwarding for 5198 – 5199 UDP is closed.

The Clean Control

1. AllStarLink is an integrated telephone PBX specifically for ham radios.
2. Small package, requires some maker skills.
3. Involves computer processes of downloading and configuring files.
4. Need to connect 6-wires in a plug. But no programming or design. Just paint by the numbers.
5. The systems can be used with a repeater, as a simplex link, or as a stand-alone digital radio.
6. AllStarLink allows the node to connect to any other node anywhere and allows talking on a repeater anywhere.
7. The system is standalone and can be integrated as a private IP, non-Internet, system just for hams.

Next Place

1. Private network for sharing comms and data.
2. AllStarLink is the software integration.
3. The radio is a Mesh network, like a private cellular-type system
4. AREDN is one system that shows promise. It is still in research phase.
5. Whatever system we develop will require infrastructure.

It has been a fabulous year, with fabulous people doing what hams do, in a fabulous way.

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