Meeting Notes from the first Sacramento Area Mesh net meeting 12/20/2014,

On December 20, 2014, Joe -AG6QO, held a meeting / training session on the Mesh Net system with ham operators from Sacramento. Dennis - AF6TR, graciously hosted the meeting at his house.

The meeting was well attended and there were lots of interested and experienced operators there.
Dennis - AF6TR, Dwane - KG6KPW, Steve - W6WBO, Joel - KK6IQR, Eric - kG6BZT Dave - KK6HVJ, Ken Wilson - K6WLS, and Joe DeAngelo- AG6QO.

What is a "Mesh net"?
- A mesh network is a network topology in which each node (called a mesh node) relays data for the network. All nodes cooperate in the distribution of data in the network.

Broadband Ham Networks operate in the range of 2.4, 3.6, or 5.8 GHz, providing data rates in excess of 50 Mb/s !

- Permits VoIP, Video and just about anything you can do with internet bandwidth.
- Is NOT a replacement for or extension of the internet! How they can be used.
    Anything a high-speed TCP/IP network can be used for.
        Remote monitoring and control .
        Video .
        Audio .
        Temperature/Weather
         Repeater/Rig/BBS
        Power Condition, Power Control (Cycle) . .
         Web pages, ftp data, Any data !

- Anything allowed by FCC Part 97 (Amateur Rules)
- Nothing Commercial
- Nothing Encrypted (be careful)

For additional information go to - The mesh page:
http://ag6qo.com/MeshNet.html

Joe AG6QO also noted that at the meeting:

That he first demo'd first a node standing alone, then a with a Raspberry Pi attached. We then accessed the Raspberry Pi via that node. He then installed a WiFi access point on that node, and several of us accessed the node and the Raspberry Pi via our personal computers via WiFi.

Next He powered up an AirGrid node and demonstrated how it automatically joined the network and could be accessed via the WiFi and original node.

The group then moved on to programming quite a few LinkSys routers as Broadband-Hamnet nodes, and configured them.

A Sacramento Area Mesh Net group has been formed on Yahoo Groups. It can be found here: https://groups.yahoo.com/neo/groups/SacMeshNet/info