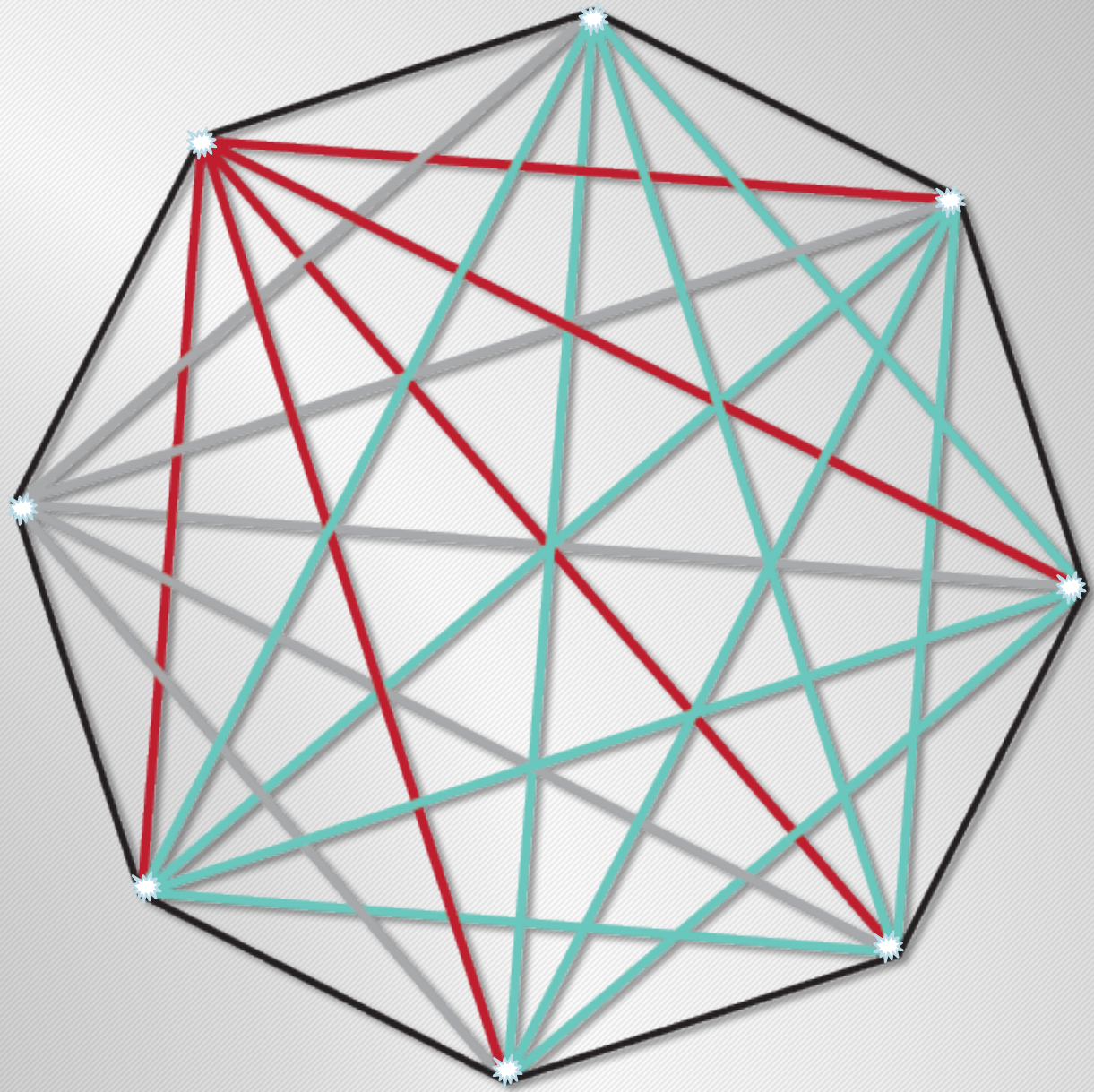

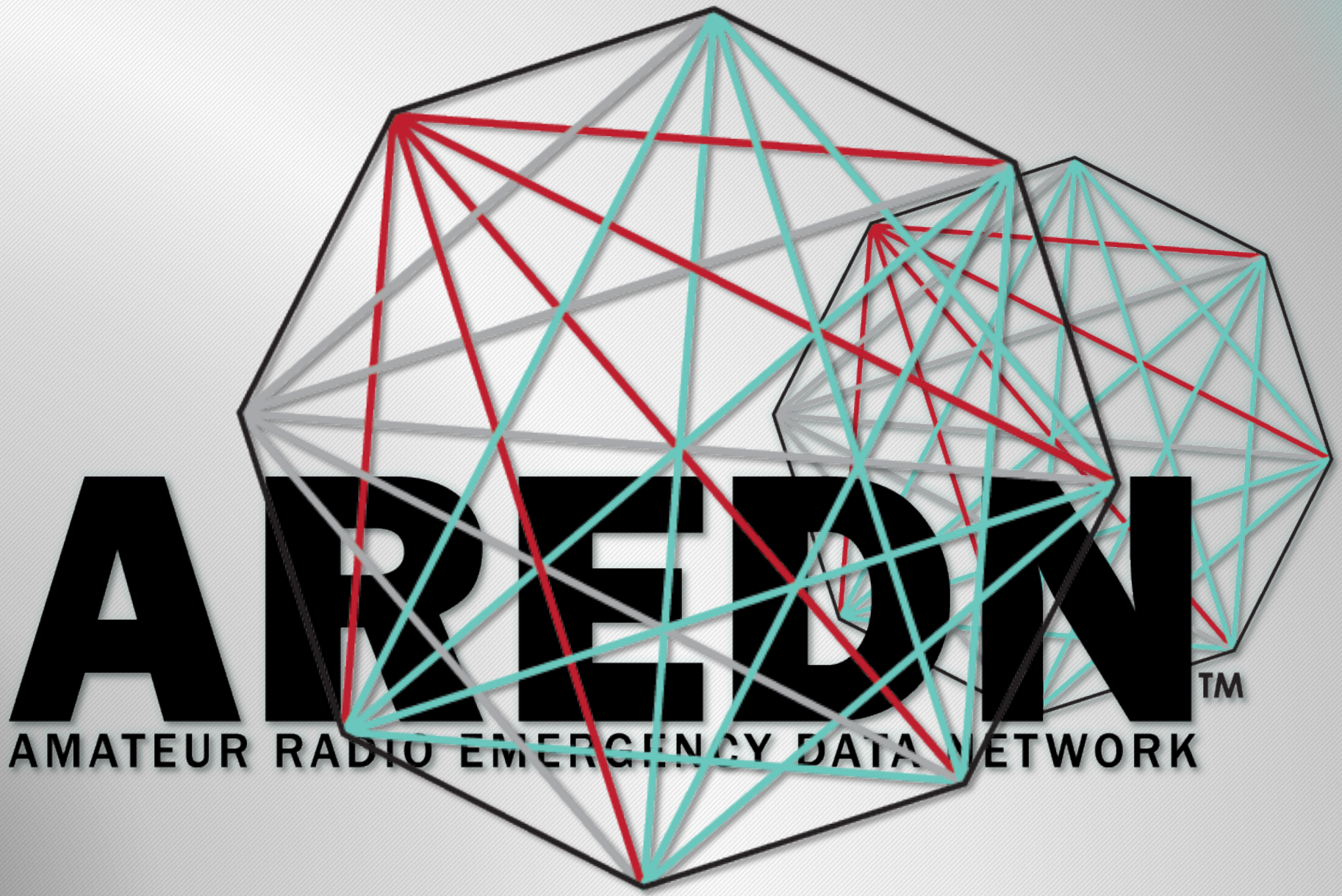
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# Repeater Linking via Mesh

Mark Herson, N2MH
May 2018

# Repeater Linking via Mesh

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- Linking Networks
- Common Items to all Linking Networks
- Mesh Usage
- Peer-to-Peer Linking
- Show and Tell
- Other Uses for AllStar

# Linking Networks

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- IRLP
- EchoLink
- AllStar
- D-Star
- DMR
- System Fusion
- HotSpots

# Common Items to All Linking Networks

- Generally link repeaters together
- Central Server
- Internet
- Sometimes used to add remote base station/other non-repeaters to the network

# Mesh Usage

- Mesh can be used to provide connectivity to/from the Internet from a remote repeater site
- To do this, a custom firewall script must be installed in gateway node (one time)

# Peer-to-Peer Linking

- Peer-to-peer linking is linking directly from one repeater to another without needing any central server.
- Only peer-to-peer linking networks known to me:

  AllStar,

  Possible DR-2X to DR-2X

# Show and Tell

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Example of AllStar node on Raspberry Pi

# Other Uses for AllStar

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- AllStar can also be used as remote base station (with remote rig control via hamlib or dedicated channel steering via gpio pins)
- AllStar can also be used as a PBX with Phone patch access to/from telephone or a network of PBX's
- This PBX functionality can in turn be networked with other PBX's (eg, MeshPhone)

# 73!

73 and Happy Phoning!

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