

The **Internet Radio Linking Project** (IRLP) is the brainchild of David Cameron, VE7LTD, of Vancouver, BC. He wanted a reliable way of linking Amateur radio stations over distances that made radio linking impractical.

Your radio talks to a local IRLP station, or “node”. The IRLP station, using **Voice over Internet Protocol** (VoIP), sends your voice to a distant node over the Internet. There, the digital signal is reassembled into the original audio, and transmitted by this second IRLP station, to which your friend is listening. This works bi-directionally.

There are two kinds of connections possible. The normal **one-to-one** connection is kind of like a phone call. You enter the four-digit number of the desired node and the connection is made. These “**node numbers**” are available on the Web at [IRLP.net](http://www.irlp.net).

It’s also possible to make a **one-to-many** connection, using a “**Reflector**”, a kind of “conference call bridge”. Several IRLP nodes link together in this way to simulate a single repeater with very wide area coverage. The reflectors are assigned **9000-series** numbers.

Many Hams are discovering that they can use IRLP to “phone home” when on the road; keeping in touch from almost any IRLP node they encounter.

IRLP Nodes in the Lower Columbia area:

Astoria-Long Beach: (3105)
444.925 (+5 MHz) 82.5 Hz NM7R

Cannon Beach: (8654)
146.500 simplex 123.0 Hz W7RAT

South Bend-Raymond: (3993)
147.570 simplex 127.3 Hz KB7IEU

Aberdeen: (3224)
147.470 simplex 100.0 Hz N7UJK

Most IRLP nodes are available for general use by any licensed Amateur. It’s generally a good idea to contact the owner first; to be sure they don’t mind your using their station. Most node owners post instructions for the use of their node on the web page provided at [IRLP.net](http://www.irlp.net).

One group that maintains a permanent presence on IRLP is the **WIN System** (**Western Intertie Network System**), a network of over 60 linked (intertied) repeaters in seventeen States and four countries. You can be part of the group from any IRLP node. It’s like having a local repeater with a familiar friendly group wherever you go. Look for the WIN System on Reflector **9453**.

On the Web: <http://status.irlp.net>
<http://irlp.net> <http://winsystem.org>
<http://www.geocities.com/nm7r/IRLP3105.html>



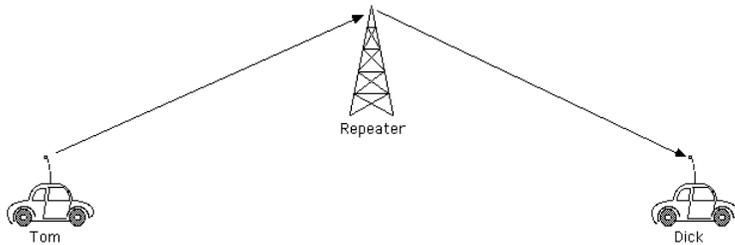
IRLP

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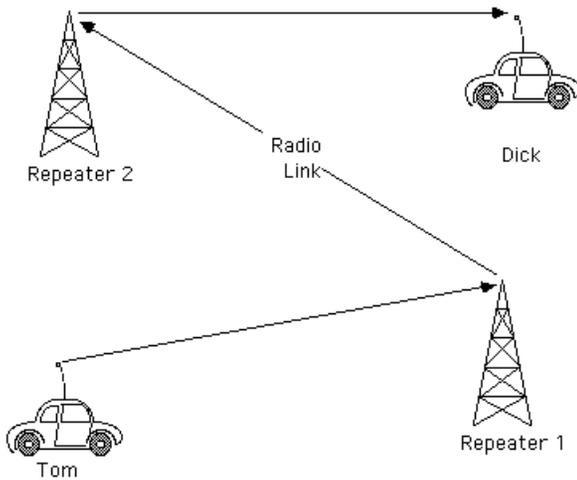
Linking Amateur
Radio stations over
the Internet,
Worldwide!



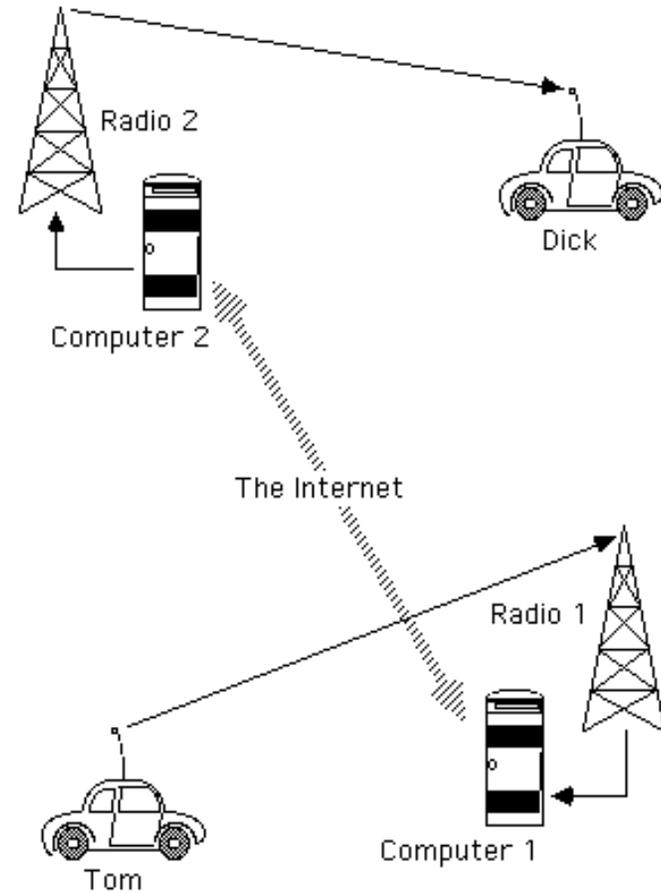
1 Hams use VHF & UHF radio a lot, but the direct range can be as little as a few miles.



2 Repeaters extend range, retransmitting signals, letting Hams talk over longer distances, perhaps 100 miles.



3 To extend range further, Hams connect their repeaters together using radio links, over perhaps hundreds of miles. Still, there are practical limitations.



4 IRLP lets Hams use the Internet to link Amateur radio stations together, allowing them to talk to each other worldwide, the ultimate in range extension. There are over 2200 operational IRLP nodes.