



Tuner's Topics

Radio-Wire Integration

by
SP4 Tuner Tropo

Commanders in the field have two primary means of communication: tactical radio and wire (telephone). Now everybody knows that you need a radio to talk to another radio and a telephone to talk to another telephone. . .right?

WRONG! The simple beauty of radio-wire integration (RWI) is that it permits radios to call telephones and vice versa. The illustration below demonstrates just a few examples of RWI. . .a phone can call a radio in the field or even in an aircraft. An RWI "rig" can also be used as a repeater (retransmission) station to improve radio signals over long distances.

A typical RWI rig contains a radio plus a switchboard, and these two pieces of equipment are connected to each other. A sample call would work something like this:

1. Commander A contacts the rig's switchboard by calling through his main switchboard.
2. He tells the RWI operator that he needs to contact Commander B who is out in the boonies. Commander B has a radio but no telephone.
3. The RWI operator contacts Commander B by using the rig's radio.
4. Once contact is made, the operator connects the switchboard (Commander A) to the radio (Commander B).

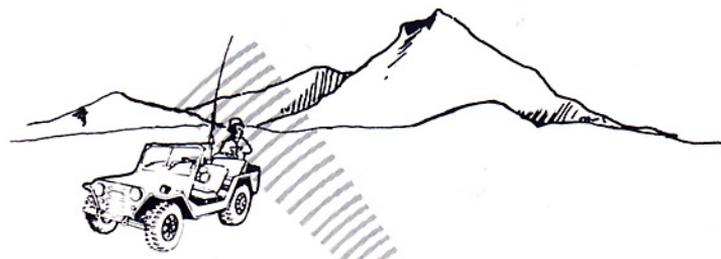
That's all there is to it, and it works like a charm. The procedure is simply reversed if Commander B wants to call

Commander A.

With a little know-how, RWI is a piece of cake and should be used more. You might also keep your eyes open for a brand new training circular, TC 24-3, which covers everything you want to know about RWI but were afraid to ask.

Until next time. . . .

Tuner



Commander B



Commander A

