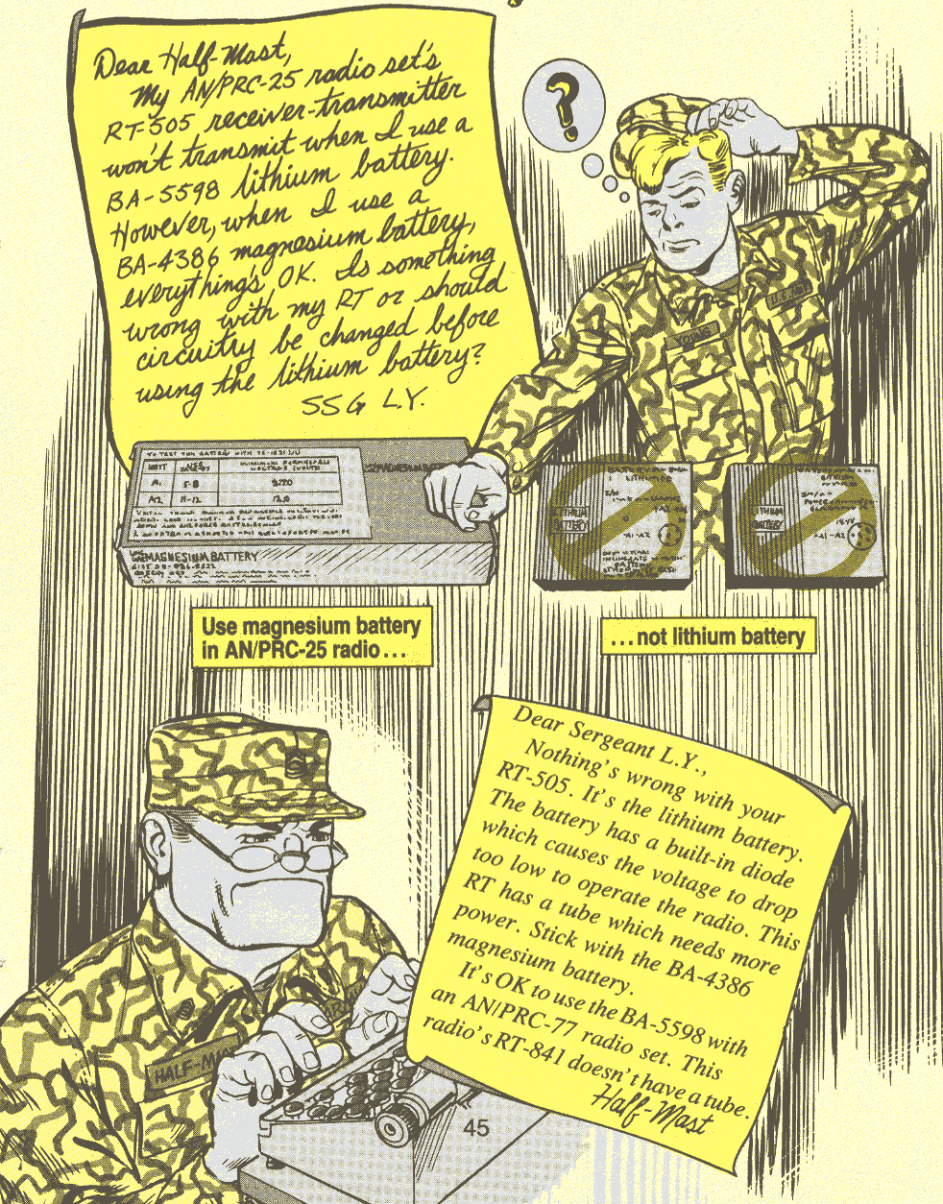
# Lithium Battery is Taboo

Dear Half-Mast,
My AN/PRC-25 radio set's RT-505 receiver-transmitter won't transmit when I use a BA-5598 lithium battery. However, when I use a BA-4386 magnesium battery, everything's OK. Is something wrong with my RT or should circuitry be changed before using the lithium battery?
SSG L.Y.




Use magnesium battery in AN/PRC-25 radio...

...not lithium battery

Dear Sergeant L.Y.,
Nothing's wrong with your RT-505. It's the lithium battery. The battery has a built-in diode which causes the voltage to drop too low to operate the radio. This RT has a tube which needs more power. Stick with the BA-4386 magnesium battery.
It's OK to use the BA-5598 with an AN/PRC-77 radio set. This radio's RT-841 doesn't have a tube.
Half-Mast