

SMOOTH OPERATOR

How to Feel Easy About Getting on the Amateur Airwaves

By Eric Fitzgerald - KG6MZS

So you just got your ham “ticket.” Congratulations! There is a lot of fun and value to be had out here on the amateur airwaves. The FCC’s test does a good job of informing the prospective ham of the rules & regulations, but it is lacking in a few practical skills on how to be a good operator, how to feel easy about getting on the air. It is sad that a number of people achieve the accomplishment of passing the test, but never make it on the air due to “mike fright.”

Not to worry! That is why they call it amateur radio!

Everybody makes mistakes and most hams are pretty forgiving of a few goofs by a new ham. Like society in general there are laws that we must obey and then there are some common courtesies we merely should obey. In a word: etiquette.

Most reasonable etiquette picks up where the hard and fast laws of the land leave off. For instance, we know from the FCC’s Technician test that we must not cause intentional harmful interference. However, what about unintentional interference? I can guarantee you that any ham that has spent any time on the air at all has caused some unintentional interference at one time or another.

We all make mistakes. A good deal of the most sensible etiquette I know is designed to help you avoid making mistakes that unintentionally interfere with other hams.

As the most general rule: put more effort into RX than TX. What does that mean? Listen! Listen carefully. Put more effort into receiving than into transmitting. Like any good conversationalist, being a good listener is the key. The technology of the radio makes this a bit more complicated, however.

- 1. Listen to the frequency you plan to transmit on for a minute or two before you key down and transmit. Make sure there are no QSOs (conversations) in progress and the frequency is not in use.**
- 2. Make sure the sound is turned up on your radio. It can be embarrassing to key down and call only to find that there was a conversation going on that you couldn't hear! I've done this more often than I care to admit. HELPFUL HINT: One way to double check for this is to turn the squelch all the way down so you can hear the background noise. You can adjust the audio level on the pink noise and you can be sure that there are no weak signals already on frequency not breaking squelch. Alternately you can check the S-meter.**
- 3. If you have a dual receive radio; make sure you are on the correct VFO. Most every ham with a dual receive radio has keyed down and transmitted on one VFO thinking they are on the other. Better to double check.**
- 4. If you are in doubt as to whether the frequency is clear – and this is especially true of simplex frequencies where you might not be able to hear one side of the conversation - key down and ask politely “Is this frequency in use?”**
- 5. OK, so you have turned your radio on, listened to a frequency for and while and adjusted your radio to transmit – so now it is time to let the world know you are there! Announce your presence and your intention on the frequency and say something like: “KG6MZS listening on PAPA 4” Or “KG6MZS Mobile, Topanga listening.” You never know who might come back to you. Try this once or twice when you monitor a frequency. Or state: “KG6MZS testing.” If you are trying to determine something about your radio, simply tossing out your call does not let listeners know that you are looking for someone to talk with.**
- 6. If somebody comes on frequency when you are in a conversation politely inform him or her that the frequency is in use. If they don't move, you should. Never fight over a frequency. OK, what about breaking into a conversation? This can be done for a variety of reasons; to make a call to another ham not in the current conversation, to join in the current conversation or to make an emergency call.**

7. First you need to size up the QSO or conversation you are breaking into. If it is a controlled net, you must listen to determine the net protocol for entering the net. Usually the net control station will ask for check-ins. Make sure it is a net open to non-members.

8. Most nets have a net control – one station that directs traffic. Do not speak directly to another net participant without getting permission from the net control station first.

9. If you are in doubt, listen to the net. If you can't determine if it is an open net, wait until the net control station concludes the net and ask. Hams are very helpful – especially when you are polite.

10. When you wish to join an informal conversation, wait for one station to un-key, and give your call or simply say “Info” or “Comment.” Should you need to make a time sensitive call such as “I’m at the intersection, do I turn right or left?” then it is appropriate to say “break”. If you are in a conversation acknowledge a station calling “break” as soon as possible. A double break or “BREAK BREAK” is reserved for bonnafide emergencies, and any station transmitting a double break should be acknowledged immediately. All non-emergency traffic should cease until the emergency has been resolved. By using these three different forms of breaking the flow of a QSO, it makes your intention clear.

11. When breaking in to an existing conversation, be patient. Often stations will get to you but they will finish their thought first. Sometimes the stations will “quick key” or leave virtually no space between one transmission and the next. This can be a bit more challenging. Chances are they didn't hear you asking. Keep trying until you are acknowledged. Nobody owns any frequencies in amateur radio.

12. Once you are in an informal conversation of 3 or more, you are in a round table. Remember the order and wait your turn.

13. Never “toss it up in the air” in a round table. When you are done send it to the next station in order by saying “Over to Steve” or “WD8CIK to take it.” Listen carefully and don’t key down if it wasn’t handed to you. If others become confused as to the order, help them out by saying something like “Over to Howard, KG6OFS and Howard you pass it to Steve WA6FGW. This is KG6MZS.

14. If you are in a round table and someone does “throw it up in the air” and you aren’t sure who gets it next, it is a good idea to start off by saying “Let’s see if I’ve got it here, reset” then un-key for moment and listen to see if anybody else is doubling with you. It is embarrassing to go on and on only to be told after you un-key that you doubled with somebody else who thought they had it too.

15. If you are in conversation on a repeater system, always wait a second before responding. It is a good idea to ask occasionally if anyone would like to break in and leave some room between transmissions.

16. In addition to 15, wait a few seconds after keying down before you start to talk. Otherwise the beginning of your transmission may be cut off to people listening.

17. Never “kerchunk” a repeater – Kerchuncking is keying down without identifying just to get the machine to beep.

18. NEVER criticize other people’s operating habits or their signal on the air. If you cannot understand them tell them you cannot copy them and leave it at that. However, if they ask you for a signal report, be as critical as you want. If they don’t ask, only let them know when they are not making it and suffer through the rough copy when they are.

19. Learn the limitations of your radio. Find out where it works with a given mountain top and where it doesn’t. Most hams will love to help you figure out the limits of your radio. This is why you will hear so many “Can you hear me now?” type conversations on the air. Once you get your radio mapped out, refrain from transmitting in exceedingly marginal areas. The noise can become annoying. More power or a better antenna can expand your range. Don’t continually transmit “from the weeds.” This is all very good stuff to know in an emergency.

20. Never acknowledge a jammer or someone causing harmful interference in any way. This is a big one. Jammers crave attention. They will go away if they don't get any. As much as it can be sorely tempting to tell a jammer what you think of them, DON'T DO IT. You will just be pouring gasoline on the flames and I guarantee any response will make the problem worse. Repeater systems have been shut down by memberships that could not resist acknowledging jammers. If they make it impossible to communicate, sign and turn the radio off. If someone refuses to identify, stop talking with him or her immediately. As far as you are concerned, jammers do not exist.

21. You only need to sign after 10 minutes of transmission and when you stop transmitting. Avoid excessive signing. As a courtesy I usually ID right at the beginning of joining a QSO and sometimes when a round table gets a little confused. HINT: Repeaters must ID every 10 minutes too when in use, so if you ID only when you hear the repeater ID and at the end of your conversation, you will be in compliance with the law and not overdoing it.

22. If you know that you are close to the station you are talking with on the repeater, you can always go to a simplex frequency. Know how to use the "reverse" function on your radio so you can check to see if you can hear the station you are communicating with on the repeater input. If so, you are in simplex range. Two meters has the most designated frequencies set aside for simplex use. While 146.52 MHz. is the most popular, it is also the national calling frequency and should be reserved for contacting other stations and not protracted conversations. Other common two meter simplex frequencies are 146.55 MHz. and 146.58 MHz. 446.00 MHz is the national calling frequency on UHF. 446.125 MHz is a recognized simplex frequency. Have simplex frequencies programmed into your radio's memory so you can QSY there and talk for as long as you want and not tie up a repeater.

23. For additional sources of information about communication on a repeater check the ARRL Operating Manual, the ARRL Repeater Directory, or do an Internet search on the words “repeater etiquette.” So there you go, don’t worry about making mistakes. Just get on the air. With a little practice you will sound like an old pro in no time. HINT: Keep a little “Cheat Sheet” handy and jot down the names, calls and other little notes about people you talk with. They will be tickled when you “remember” them the next time you talk with them. The most important thing is to get on the air and use your radio! Hope to hear you out here soon!

‘73

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