



Interference

- QRN or "Static"
 - Natural interference (thunderstorms)
 - Man-made (appliances and power lines)
- •QRM
 - Interference caused by other signals
 - Can be from transmitted signals
 - Can be created internally by a receiver



- •Harmful
 - Interference that is disruptive, not necessarily willful.
 - Deal with it as best you can, try to avoid causing harmful interference.

Interference

- Willful
 - Intentionally causing interference.
 - This becomes a legal and law enforcement issue.
 - This is rare and there are procedures to deal with this (ARRL Volunteer Monitor can help).



- Use common sense and courtesy
- •Know how to operate your equipment to reduce generated and received interference
- •No one owns a frequency; be a good neighbor and share have a "Plan B"
- Recognize special operations and special circumstances



- Where the control operator function is performed
- not necessarily at the physical transmitter
- •Local control: operator is at the transmitter
- •Remote control: control point is linked to the transmitter by a control link which could be telephone, radio, or Internet
- •Automatic control: control functions are operated by circuitry that ensures proper operation



- Control operator is always required
- Responsible for proper operation
- •Repeaters, auxiliary stations, space stations, and beacons may operate under automatic control
- •Repeater users are responsible for their transmissions through a repeater



- Unidentified transmissions
 - Not giving your call sign
- False or deceptive signals
 - Using someone else's call sign
- False distress or emergency signals
 - Fake calls for help



- Obscene or indecent speech
 - Up to interpretation, avoid controversial subjects
- Music

No Commercial Communications

- •Advertising ham radio gear is okay as long as it's not your regular business. (Don't advertise non-ham gear.)
- You may not use ham radio on behalf of your employer.
- •Exception: teachers may use ham radio in their classrooms, clubs may employ an operator but only with restrictions on hours.



- •Encryption means deliberately encoding information for transmission in order to hide or obscure the message.
- Encryption is only allowed for:
 - •Radio control
 - Space station control

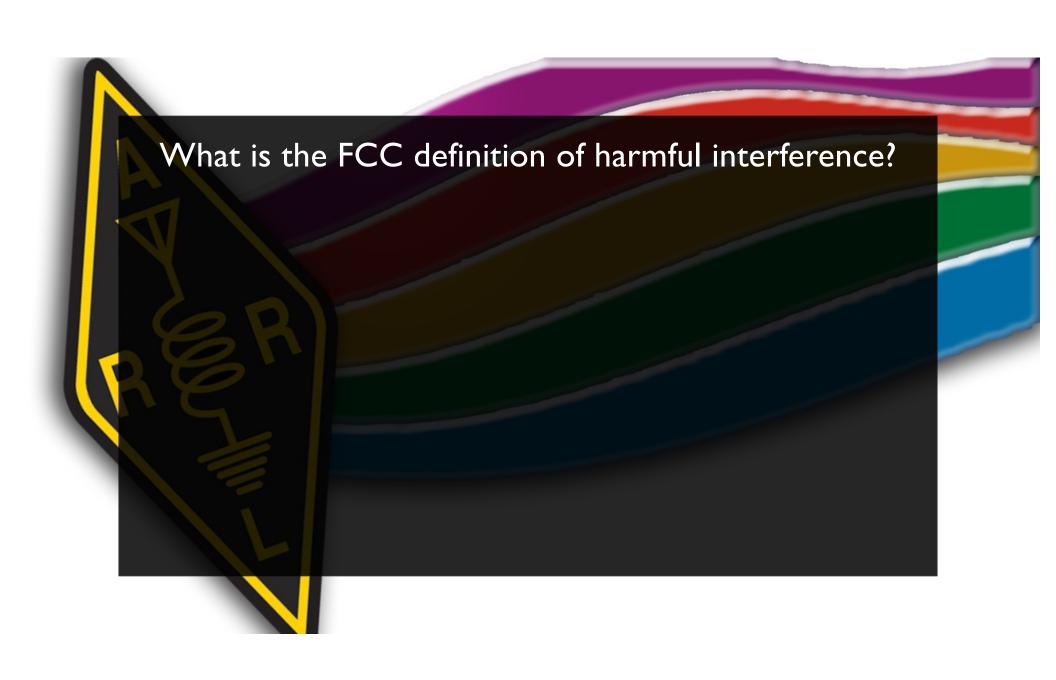
No Broadcasting

- •Broadcasting is sending one-way transmissions to the general public:
 - -News
 - -Music
- Exceptions:
 - -Code practice
 - -Ham radio-related bulletins
 - -Retransmission of space station control communications



- •Emergencies and critical situations create special circumstances.
- •Special events may qualify as special circumstances.
- •Normal rules return when the situation returns to normal.



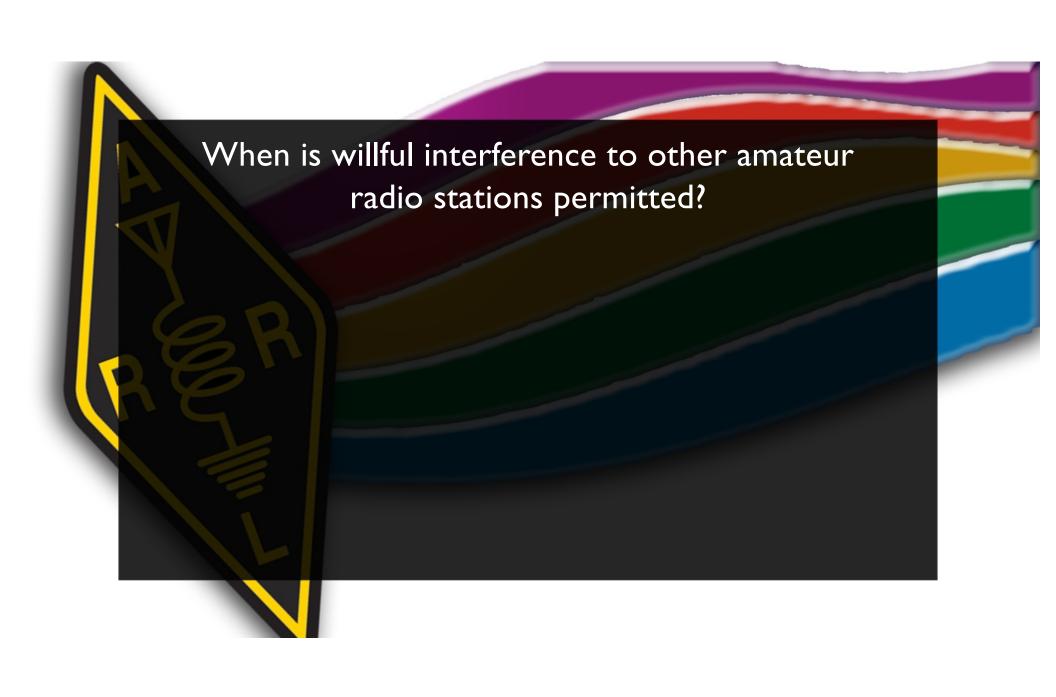




That which seriously degrades, obstructs, or repeatedly interrupts a radio communication service operating in accordance with the Radio Regulations







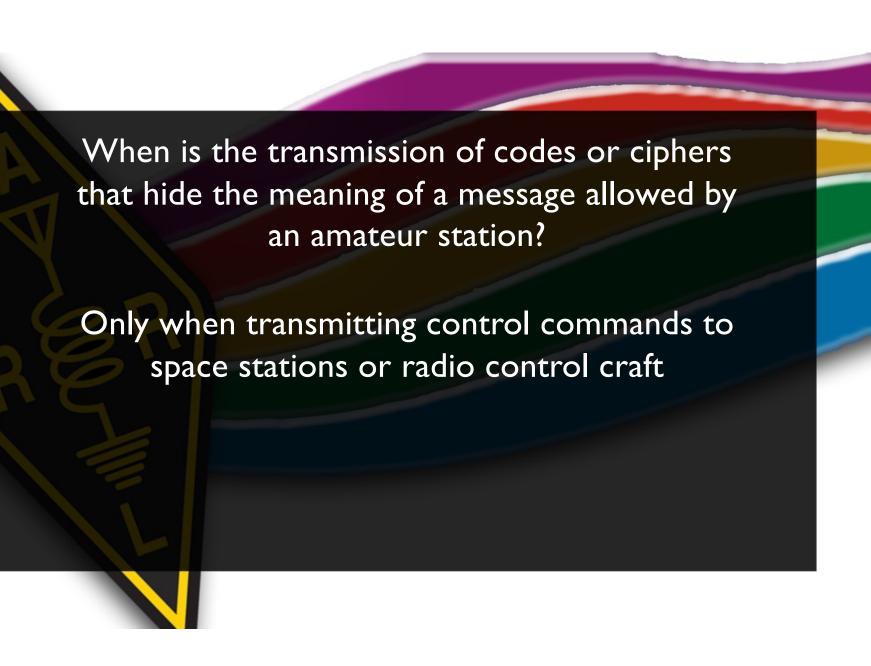




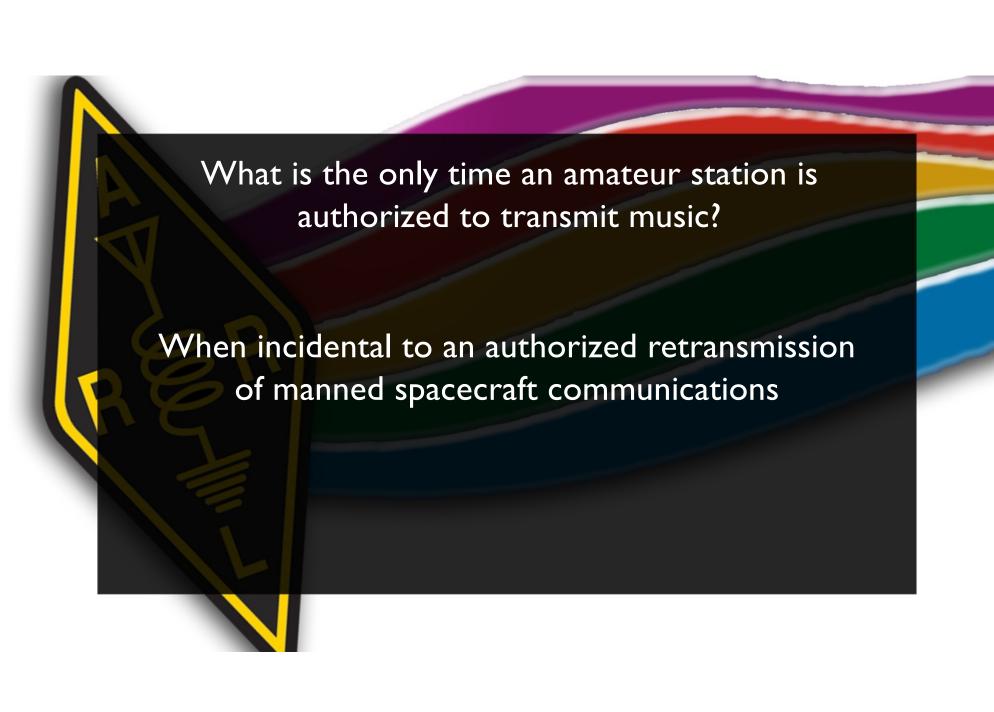


During an Armed Forces Day Communications
Test

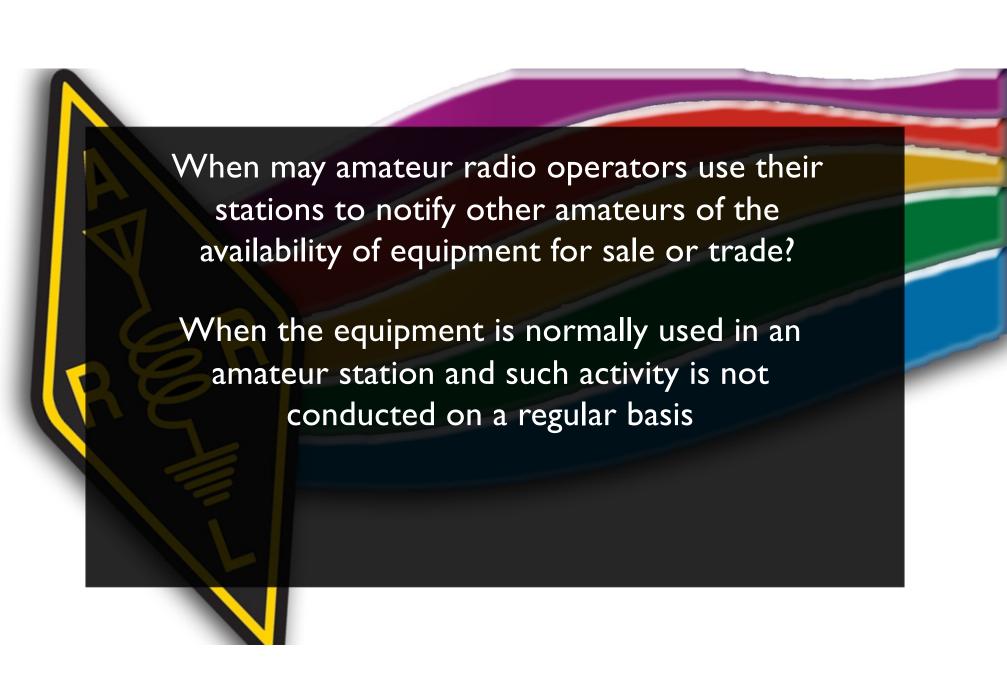




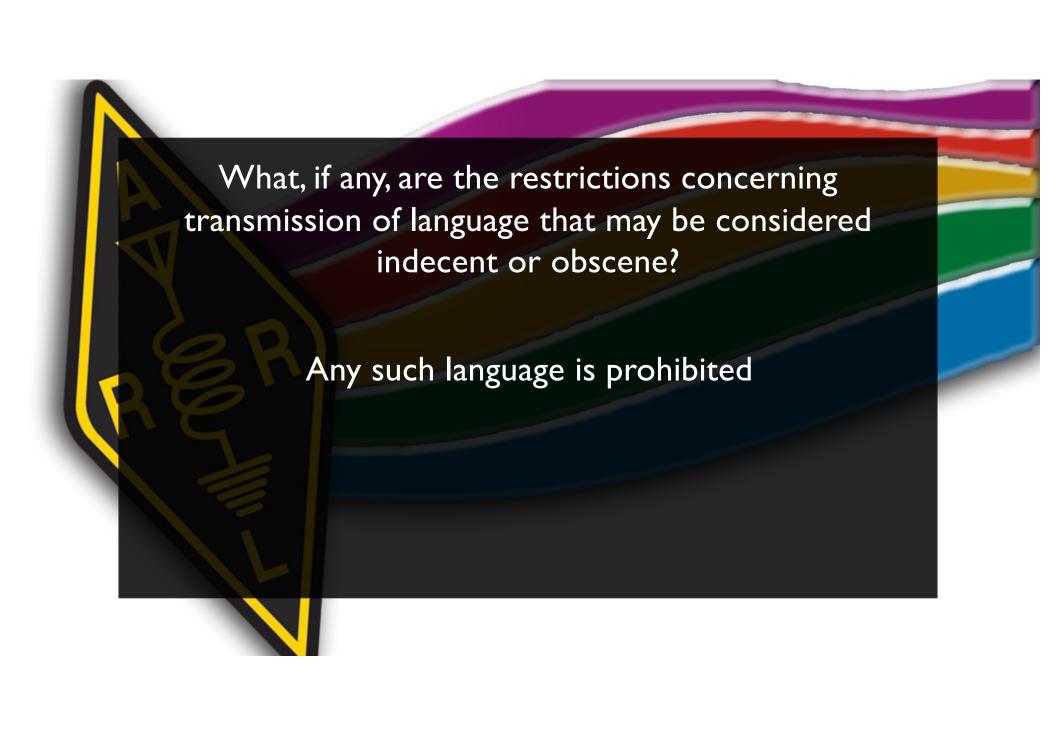


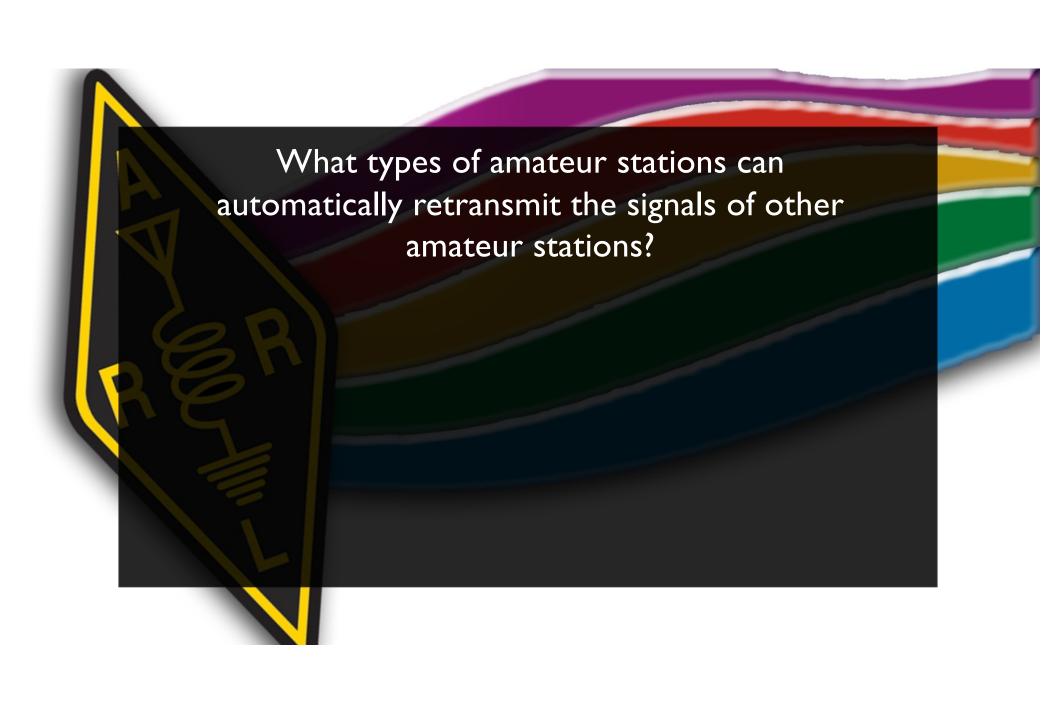


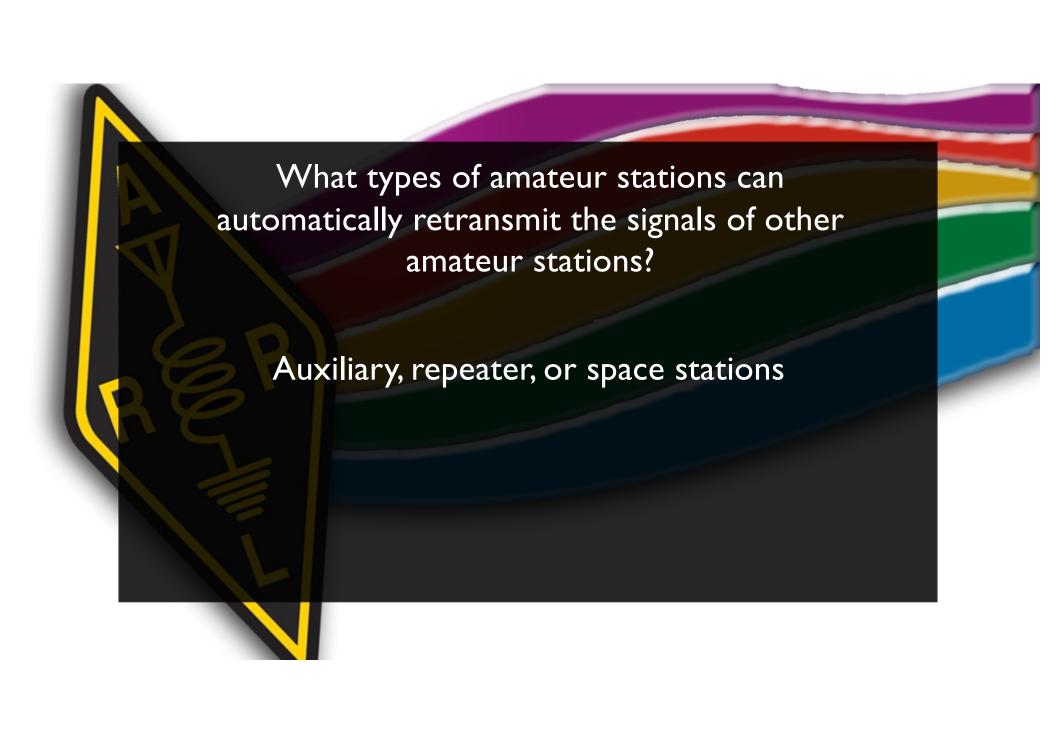


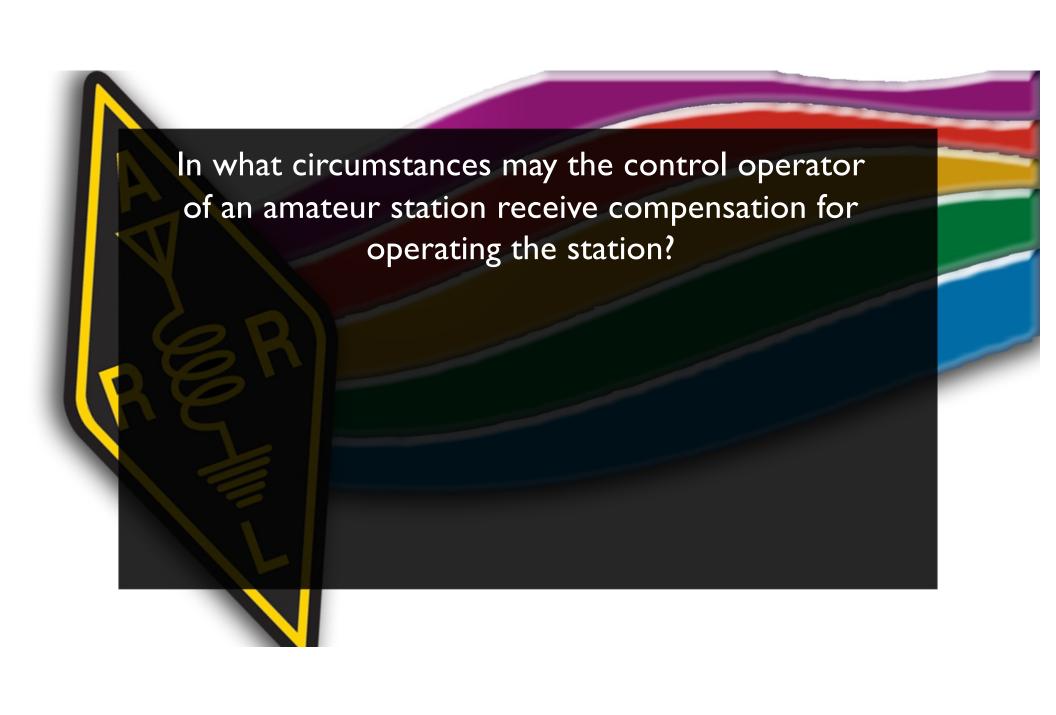


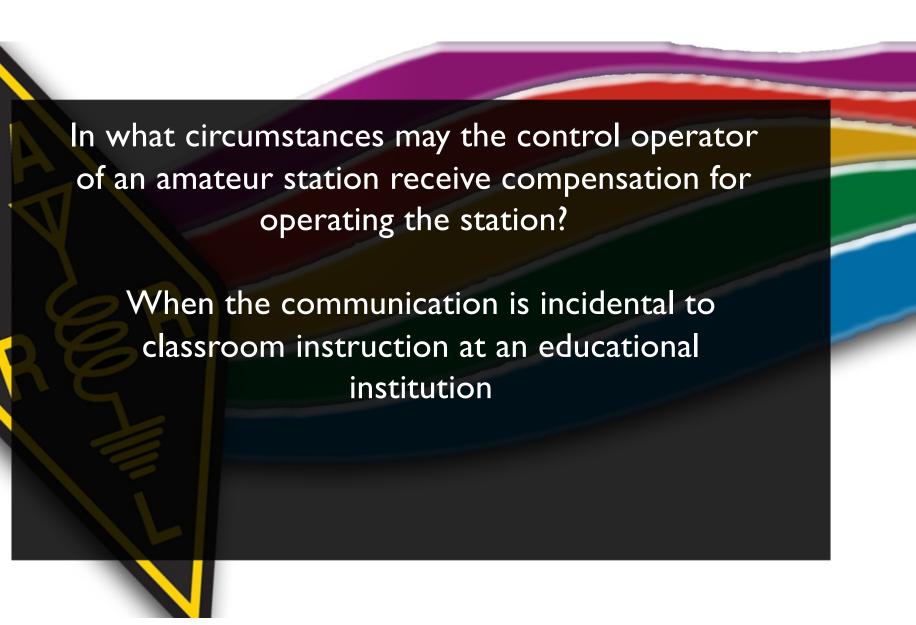














When are amateur stations authorized to transmit signals related to broadcasting, program production, or news gathering, assuming no other means is available?

Only where such communications directly relate to the immediate safety of human life or protection of property

