



Hampton Public-service Team Net

Occurs weekly – Monday at 1915

Southern Peninsula Amateur Radio Klub – SPARK
W4QR 146.73 and 444.550 Tone: 100

Two things. . .

- Ham Nation
- Family Radio Service, General Mobile Radio Service, CB and Baby Monitors

Ham Nation

- Delivered via Pod Cast
- Pod Casts are video or audio presentations delivered across the Internet
- Often they are broadcast quality productions
- One in particular is . . . TWiT
- This Week in Tech (TWiT) delivers many fine programs weekly
- TWiT can be found on line at <http://twit.tv>

Ham Nation

- Recently TWiT has added Ham Nation to its production schedule
- Ham Nation is presented by Bob Heil (Hile) of Heil Microphones
- Bob, K9EID, has been a HAM since the 60s.
- The program can be viewed at viewed at <http://twit.tv/hn>
- New shows each Tuesday at 2100 eastern
- If you miss it, you can download and view it later.

FRS, GMRS, and CB

- Hurricane season is upon us
- A key part of what HAMs provide is radio service to our community – especially during times of need
- Most people aren't HAMs but many people have two-way radios
- These days many are Family Radio Service radios
- Some may have CBs, and still others may have General Mobile Radio Service radios
- When storm damage hits people may be stranded and without telephone and electrical service

FRS, GMRS, and CB

- They may rely on any communications device which may include FRS, CB, or GMRS or even baby monitors
- As HAMs we should be prepared to scan those radio frequencies for people in need
- Report situations to the active Net or emergency response center
- Here are the frequencies for reference
 - You may chose to put them in your scanner or other radio

FRS

- Family Radio Service frequencies
- 14 UHF channels (some radios up to 22 channels – last 8 are GMRS)
- Channels
 - 1 – 7: 462.5625 to 462.7125 MHz , 25KHz apart
 - Then, 4.85 MHz higher are:
 - 8 – 14: 467.5625 to 467.7125 MHz, also 25KHz apart

As a side note, this is unlicensed radio and users can only transmit at $\frac{1}{2}$ watt with rubber duck antenna

GMRS

- General Mobile Radio Service frequencies
- 16 UHF frequencies
- In two sets to support repeater offsets
- Channels
 - Simplex and Repeater Output channels are:
 - 1 – 8: 462.5500 to 462.7250, 25KHz apart
 - Repeater Input channels are:
 - 9 – 16: 467.5500 to 467.7250 , 25KHz apart
 - Repeater offset is 5 MHz

GMRS and FRS

- GMRS is up to 50 Watts
- GMRS requires a license though- \$85.00/5-years
- GMRS operators can operate on FRS channels 1 – 7 at 5 Watts with any antenna type
- These are GMRS channels 8 – 14

CB

- Citizen's Band Radio
- 40 HF channels just below the Amateur Radio 10 meter band
- 26.9650 - 27.405 MHz
- Most are 10KHz apart, but this is not consistent throughout the band with
- Channels 36 – 39 are Lower Side Band only

Baby Monitors

- 10 channels
- The older set
 - 46.1 to 46.97 MHz
- The newer set
 - 49.67 to 49.97 MHz

Conclusion

- Be ready
- Test your gear
- Though Amateurs may not have or be licensed in other systems this does not preclude us from listen for people in distress in time of need or national emergencies and relaying this information