

## HF 101

AN INTRODUCTION TO HF OPS Phil, W5CPO

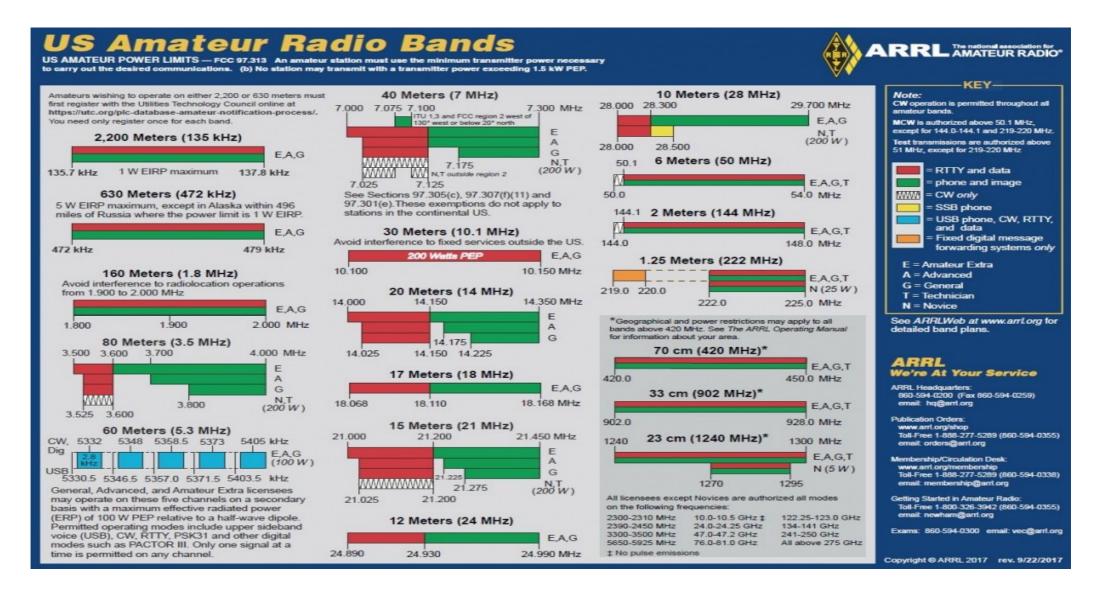
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#### **SOLAR CYCLE 25**

The **solar cycle**, also known as the **solar magnetic activity cycle**, **sunspot cycle**, or **Schwabe cycle**, is a nearly periodic 11-year change in the <u>Sun</u>'s activity measured in terms of <u>variations</u> in the number of observed <u>sunspots</u> on the <u>Sun's surface</u>. Over the period of a solar cycle, levels of <u>solar radiation</u> and ejection of solar material, the number and size of <u>sunspots</u>, <u>solar flares</u>, and <u>coronal loops</u> all exhibit a synchronized fluctuation from a <u>period of minimum activity</u> to a <u>period of a maximum activity</u> back to a period of minimum activity.

WITHOUT THE PRESENCE OF THE CURRENT SOLAR CYCLE, LONG DISTANCE HF CONTACTS ARE ARE HARD TO COME BY.

#### HF BANDS



### CALLING CQ/STARTING A QSO

- FIND A CLEAR FREQUENCY...REMEMBER, YOU WANT TO BE AT LEAST 3KHz AWAY FROM ANOTHER SIGNAL. BOTH SIDES.
- LISTEN FOR A FEW MINUTES
- CALL "WHISKEY FIVE CHARLIE PAPA OSCAR, IS THIS FREQUENCY IN USE?" ALWAYS USE PROPER PHOENETICS. IF NOTHING HEARD, IT'S TIME TO ROCK AND ROLL. IF SOMEONE COMES BACK TO YOU AND SAYS "YES, THE FREQ IS IN USE", REPLY "THANKS 73, I'LL FIND ANOTHER.

OK, YOU'VE CALLED CQ AND A STATION COMES BACK TO YOU.

IT'S A GOOD IDEA TO HAVE PEN AND PAPER HANDY.

THE FIRST THING YOU WILL HEAR IS THEIR CALLSIGN AND MAYBE THERE NAME.

YOU SHOULD HAVE QRZ OPEN SO YOU CAN LOOK AT THEIR QRZ PAGE. WHY? BECAUSE THAT'S WHAT THEY'RE DOING. AND...ALL CONTACTS SHOULD BE LOGGED USING A LOGGING SOFTWARE OF YOUR CHOICE. Ie., QRZ, N3FJP, LOTW ALL 3 INTERACT WITH EACH OTHER.

YOU'RE GOING TO HEAR "Q" CODES....QSL, QTH, QRM AND SO ON

YOU'LL PROBABLY GET ASKED FOR A SIGNAL REPORT. TRY TO BE SOMEWHAT ACCURATE. NOT EVERYONE IS 5/9. AUDIO QUALITY/SIGNAL STRENGTH

THIS MIGHT SOUND LIKE A LOT OF STUFF TO DO OR REMEMBER, BUT AFTER YOU SPEND SOME TIME ON HF IT ALL BECOMES SECOND NATURE.

THE #1 REASON FOR KEEPING A LOG ......EMERGENCY COMMUNICATIONS.
THERE MAY COME A DAY WHEN YOU HAVE HANDLE EMERGENCY TRAFFIC OVER THE REPEATERS OR ON HF. KNOWING HOW TO KEEP A LOG WILL BE TO YOUR ADVANTAGE.

HERE ARE A FEW GROUPS/NETS YOU CAN LISTEN TO ON HF TO GET AN IDEA OF HOW HF TRAFFIC IS HANDLED

WWW.OMISS.NET OLD MENS INTERNATIONAL SIDEBAND SOCIETY

Ttn7285.NET TEXAS TRAFFIC NET

WWW.TAILGATERSNET.COM 3.916MHz

NETLOGGER CHECK OUT ALL THE NETS THAT ARE ON THE AIR WEEK NIGHTS OR JUST TUNE AROUND THE BANDS....SEE WHAT YOU RUN ACROSS.

# QSL CARDS

