JT65-HF

A Brief History
JT65-HF is the tale of two Hams named Joe

Joe Taylor - K1JT
and
Joe Large - W6CQZ
Joe Taylor - K1JT

• Dr. Taylor won the Nobel Physics prize in 1993 for the discovery of a new type of pulsar.

• In 2000 his interest in weak signal communications and astronomy lead him to Meteor Scatter communications using High Speed CW.

• He introduced WSJT, his software package and encoding scheme, in QST in Dec 2001.

• It featured the FSK441 protocol for Meteor Scatter communications.

• In QST in June 2005 Joe introduced Hams to the JT65 protocol for EME communications.

• Later, the JT65 protocols were optimized for specific bands, giving us ...
  • JT65A for 6m - the original JT65 protocol and the most sensitive of the three.
  • JT65B for 2m and 70cm - more tolerant of frequency drift but slightly less sensitive.
  • JT65C for 23cm and up - even more tolerant of frequency drift but even a bit less sensitive.
Joe started using WSJT in 2007, just a year after the first terrestrial JT65 QSO. He had great success making terrestrial contacts on HF in spite of his poor antenna and low power. Joe wrote a program to read the WSJT log file and post the list of stations heard to the internet in real time. As more WSJT user logs were posted, the Reverse Beacon network was created. Joe wrote the JT65-HF program to make RB reporting easier. JT65-HF has some key advantages over the WSJT package.

- JT65-HF is very easy to use
- JT65-HF allows users to decode multiple signals simultaneously
- It reports those multiple signals to the RB network
- Later versions of JT65-HF include the option of reporting to the PSK Automatic Propagation Reporter
See the ARRL digital page for information about JT65 on HF, PSK-31 and RTTY

http://www.arrl.org/digital-modes

And even more information on the ARRL digital links page

http://www.arrl.org/digital-data-modes
Links

Download JT65-HF
http://sourceforge.net/projects/jt65-hf

JT65-HF Users group
http://groups.google.com/group/jt65-hf

PSK Automatic Propagation Reporter
http://pskreporter.info/pskmap.html

Reverse Beacon Network
http://jt65.w6cqz.org/receptions.php#rb
Links

December 2001 QST article introducing WSJT

June 2005 QST article introducing JT65

Download the WSJT software and manuals
http://physics.princeton.edu/pulsar/K1JT/wsjt.html
JT65-HF Demonstration

Kevin FT-840 Rigblaster
W4KLS

Ray FT-857 Signalink USB
KD4RSL