Amateur Radio Slow Scan TV

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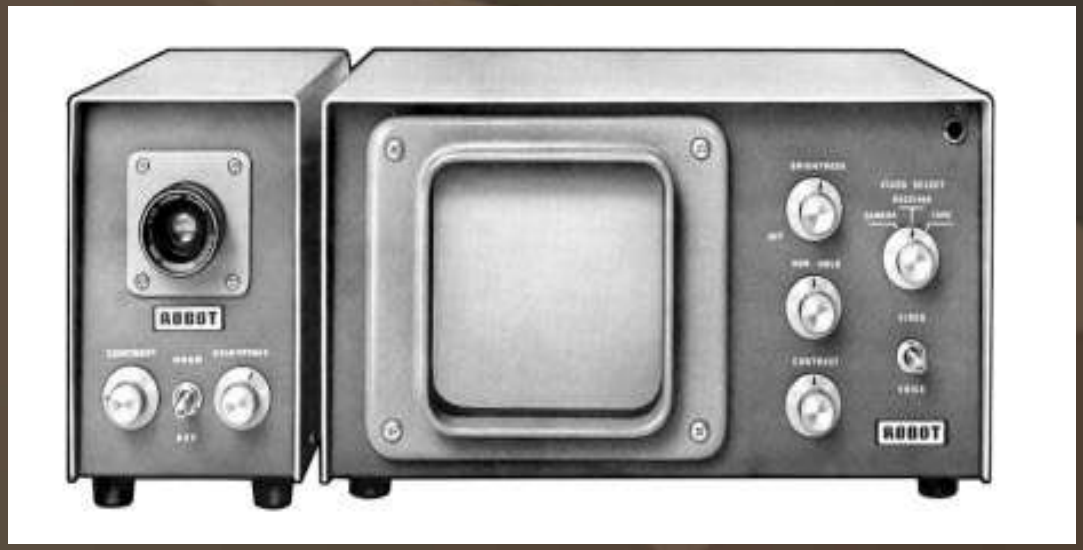
What is Slow Scan TV (SSTV)

- SSTV allows hams to transmit graphic images worldwide
- SSTV also allows for reception of images from satellites and the International Space Station
- Due to bandwidth limitations, only still images can be sent and received

In the Beginning

- Specialized equipment was required. Originally
- Persistent displays – Usually scope displays were used. Images would staart to fade quickly from top to bottom of the image
- Next came dedicated SSTV equipment. Robot was an early leader manufacturing this equipment
- Cost was steep - $1,000 to $1,500
- Multitude of formats added an additional challenge



Typical Robot Dedicated SSTV equipment

Today's World

- No specialized equipment
- PC and an external soundcard
- Software
- A working FT8/FT4 configuration will work with SSTV
- You will have to create slides (Cq, Signal Report, 73) are the minimum
- NOTE: SSTV is a 100% duty cycle mode. Be kind to your finals and run at half power

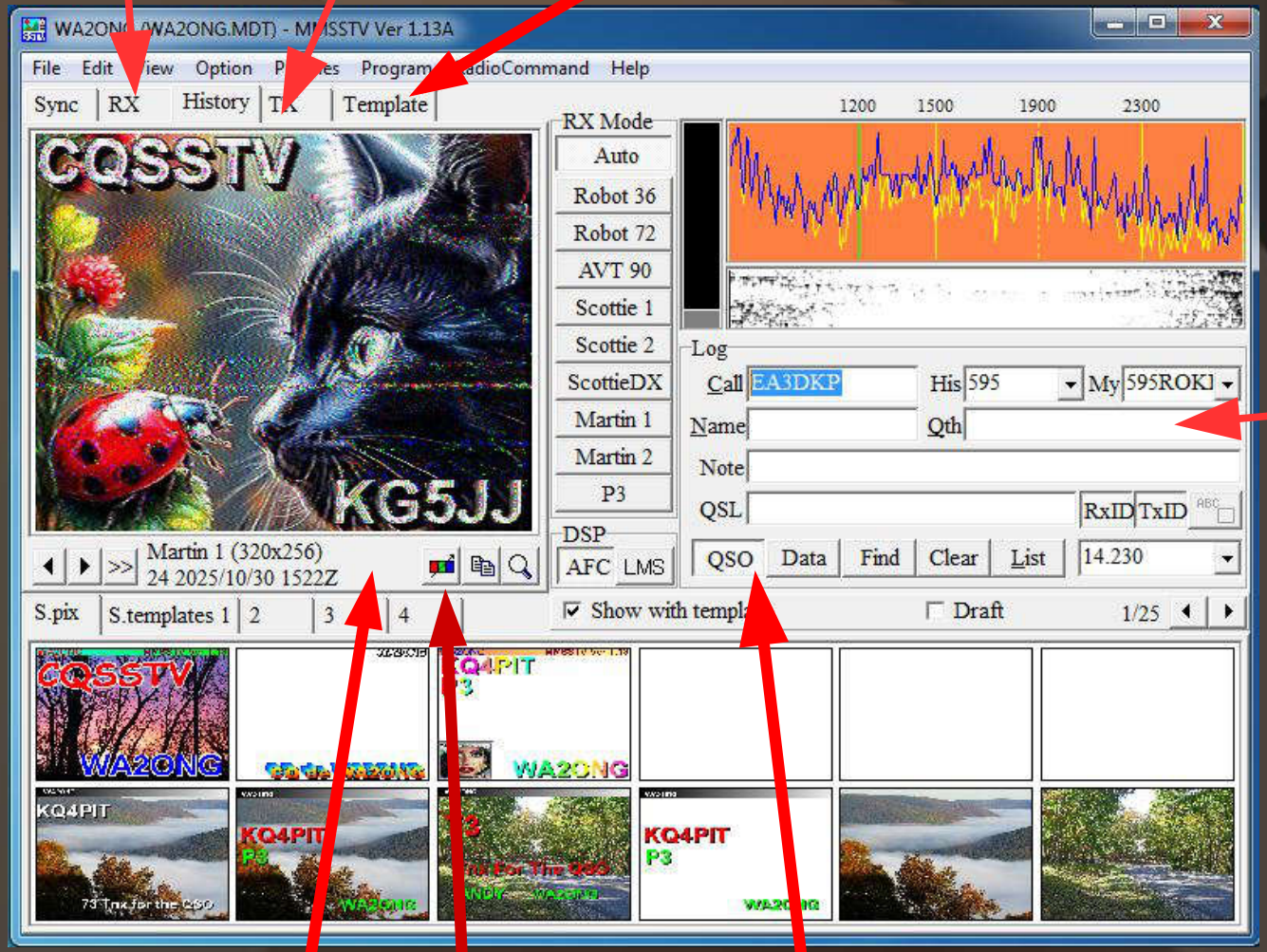
MMSSTV

- MMSTV is one of the most popular packages for Windows Users
- Easy download at no cost from https://hamsoft.ca/pages/mmsstv.php
- Minimal configuration required. A working FT8/FT4 setup will work with no changes
- Software automatically recogniozes every popular format
- Help documentation available at the same web location

RX sets software to receive

Allows loading of images to be sent

Template Editor



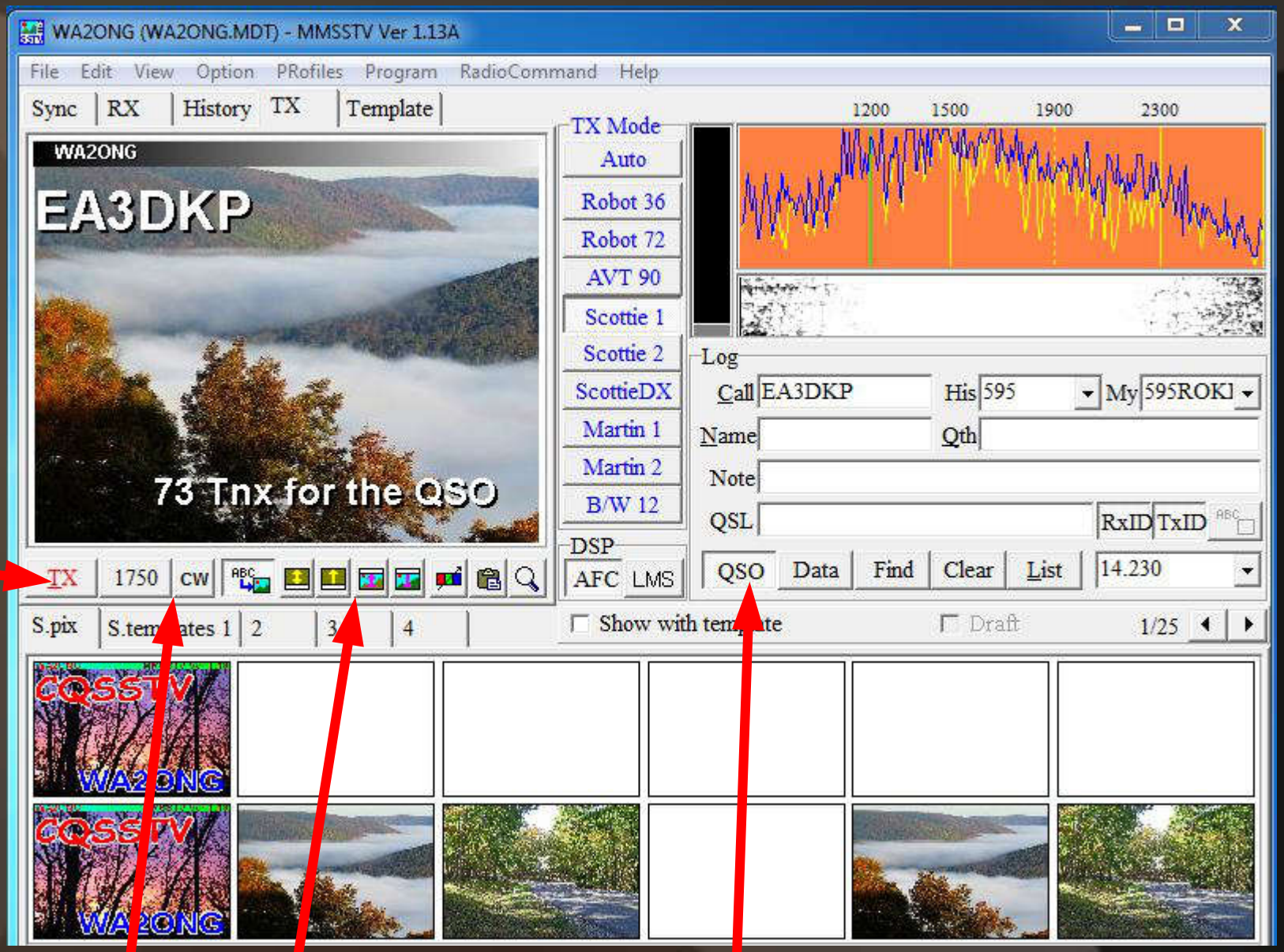
This box contains data for the contact

Any macros set in the graphic will automatically pull data entered here

Date Time and Mode

Image Adjuster

Logs the Contact



Clicking on this button will start the transmission of the image currently displayed

CW Parameters for optional Message at the End of the QSO

Will adjust image for header, footer or neither

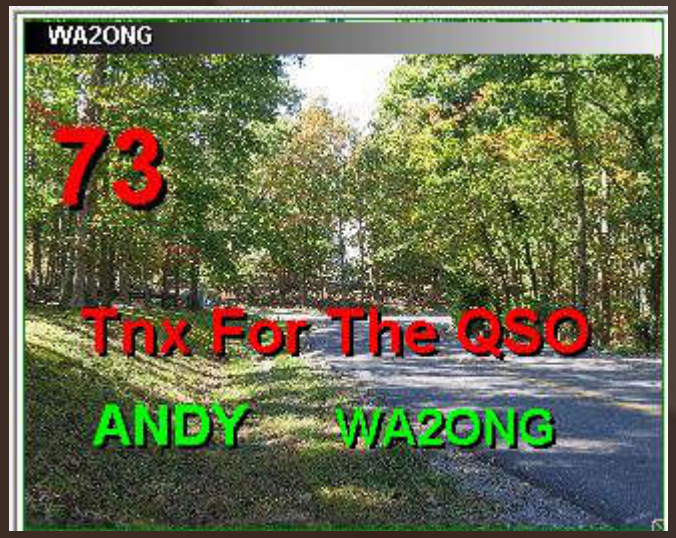
Logs the contact

Make simple adjustments to image templates here

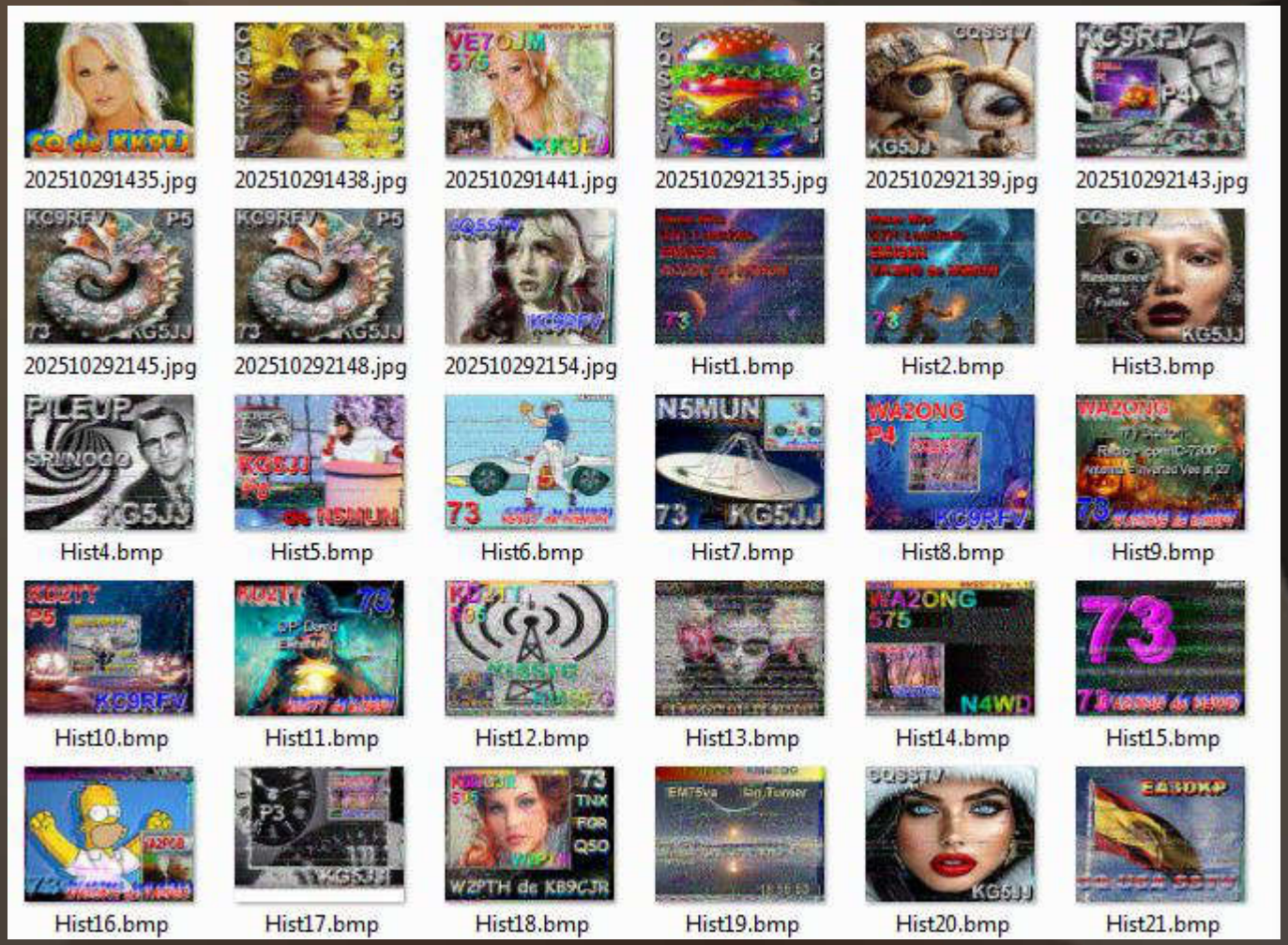
Creating Slides

- MMSSTV has functionality to create slides that you will transmit
- At a minimum you will need a “CQ” slide, a signal report slide and a “73” slide
- The background can be any graphic or picture you desire
- There are a number of macros that can be included into the slide template like the call of the station you are working and the signal report
- The data comes from the QSO loging box

Slide Examples



History


202510291435.jpg
202510291438.jpg
202510291441.jpg
202510292135.jpg
202510292139.jpg
202510292143.jpg
202510292145.jpg
202510292148.jpg
202510292154.jpg
Hist1.bmp
Hist2.bmp
Hist3.bmp
Hist4.bmp
Hist5.bmp
Hist6.bmp
Hist7.bmp
Hist8.bmp
Hist9.bmp
Hist10.bmp
Hist11.bmp
Hist12.bmp
Hist13.bmp
Hist14.bmp
Hist15.bmp
Hist16.bmp
Hist17.bmp
Hist18.bmp
Hist19.bmp
Hist20.bmp
Hist21.bmp

Logging

C:\Ham\MMSSTV\WA2ONG.MDT - [10 QSO data(s)]

File(F) Edit(E) Find(S) Option(O) Help(H)

Date	UTC	Call	M	His	My	Band	Mode	Pow	Name	QTH	S	R	Note
25.10.31	2217	KG5JJ		595	595	14.230	SSTV						
25.11.01	1949	VA2PGB		595	595	14.230	SSTV						
25.11.01	2202	KE2EBR		595	595	14.230	SSTV						
25.11.01	2212	KC9RFV		595	595	14.230	SSTV						
25.11.09	1917	KE0PBI		P4	595	14.230	SSTV						
25.11.11	1743	N8PWW		P4	595	14.230	SSTV						
25.11.16	1823	KM4CQG		P3	595	14.230	SSTV						
25.11.26	1813	W1AW/2		595	595	14.230	SSTV						
26.01.15	1656	KB9CJR		595	5950407	14.230	SSTV						
26.01.28	2148	VA3CUA		595		14.230	SSTV						

MMSSTV does have a rudimentary logging function. However the data from the log table can be exported to your primary logging software. The software supports most of the popular formats including AIDF. It is a manual export/import process. You can export the entire table or just a portion of it