

K9STH Radio Shack Photos
April 2009



From top to bottom: Antenna switching console; Collins 75A-3 receiver; Collins 75A-2 receiver; WRL Globe Champion 350A transmitter; Collins 75A-4 receiver.



First level: Central Electronics MM-2; Collins 75S-1 receiver, Collins 32S-3 transmitter; Collins 75S-3A receiver, Collins 75S-1 receiver. On top of first level: CDE AR-22 rotor control; mfj-401C keyer; Kenwood TR-7850 2-meter FM transceiver with TE-32 CTCSS encoder; Yaesu G-1000-SDX rotor control; mfj 24 hour clock; AADE digital readout for 75S-3A; Heath HM-2102 VHF wattmeter.

Second level: Hammarlund HX-50A transmitter; Collins 312B-4 console; Tempo 2001 linear amplifier; Heath SB-110A 6-meter SSB/CW transceiver; National 62 VFO; Gonset Communicator IV 2-meter AM transceiver. On top of National VFO Knight V-107 VFO; on top of Gonset Knight TR-106 6-meter AM transceiver.

Third level: Phasing control box for 40 meter phased verticals; Collins 51J-2 receiver, Hammarlund HQ-140X receiver; Rycom 6010 VLF receiver (2 Hz to 210 kHz); RME 6900 receiver. On top of phasing control box: Converter control box 50 MHz, 144 MHz, and 222 MHz converters and on top of that 160-meter to 6-meter receiving converter. On top of 51J-2 speaker and 432 MHz transmitting converter. On top of HQ-140X: 222 MHz Centimeg converter; home brew 432 MHz varactor tripler (from 144 MHz); home brew Nuvistor 432 MHz converter. On top of RME 6900 is plaque from Collins Collectors' Association for being CCA Technical Advisor.



First level: Collins 32S-3 transmitter; Collins 75S-3A receiver; Collins 75S-1 receiver; Collins 32S-1 transmitter. On top of 32S-3 Yaesu G-1000-SDX rotor control; on top of 75S-3A mfj 24 hour clock and AADE digital frequency readout for 75S-3A; on top of 75S-1 Heath HM-2102 VHF wattmeter. Under shelf: Keyboard and "regular" keyer for CW; control for PTT; microphone junction box; microphone; and control panel for various functions including computer connections to equipment.

Second level: Collins 312B-4 console; Tempo 2001 linear; Heath SB-110A 6-meter SSB/CW transceiver; National 62 VFO; Gonset Communicator IV 2-meter AM transceiver; Heath SB-630 console. On top of National 62 VFO is a Knight V-107 VFO. On top of Gonset is Knight TR-106 6-meter AM transceiver.

Third level: Collins 51J-2 receiver; Hammarlund HQ-140X receiver; Rycom 6010 VLF receiver (2 Hz to 210 kHz); RME 6900 receiver; Gonset Communicator I 2-meter AM transceiver. On top of HQ-140X is a Centimeg 222 MHz converter; 432 MHz varactor tripler (from 144 MHz); and home brew Nuvistor 432 MHz converter. On top of RME-6900 is plaque from Collins Collectors' Association for being Technical Advisor.



First level: Collins 75S-3A receiver; Collins 75S-1 receiver; Collins 32S-1 transmitter; Heath SB-401 transmitter; Heath SB-301 receiver. On top of 75S-3A AADE digital readout; on top of 75S-1 Heath HM-2102 VHF wattmeter. On top of SB-401/SB-301 are Ameco 222 MHz receiving converter; converter power supply; control box for 222 MHz station; transmitting converter for 222 MHz (from 50 MHz); Yaesu FT-690rII 50 MHz SSB/CW/FM transceiver (i.f. for 222 MHz and for 6-meter FM); power supply for 222 MHz transmitting converter.

Second level: Heath SB-110A 6-meter SSB/CW transceiver; National 62 VFO; Gonset Communicator IV 2-meter AM; Heath SB-630 console; 432 MHz station consisting of a Uniden HR-2510 10-meter SSB/CW/AM/FM transceiver, Microwave Modules 432 MHz transverter, Icom 432 MHz linear; Hallicrafters HA-2 2-meter transverter. On top of National 62 is a Knight V-107 VFO, on top of Gonset is Knight TR-106 6-meter AM transceiver. On top of HA-2 is a Uniden HR-2510 10 meter SSB/CW/AM/FM transceiver and a Tempo Commercial Line 220 222 MHz FM transceiver.

Third level: Rycom 6010 VLF receiver (2 Hz to 210 kHz); RME 6900 receiver; Gonset Communicator I 2-meter AM transceiver; converter console with 50 MHz, 144 MHz, and 222 MHz converters; BC-348 receiver. On top of RME 6900 is a plaque for being the Technical Advisor to the Collins Collectors' Association. On top of the converter console is a spare cabinet. On top of the BC-348 is a 432 MHz receiving converter and a Pathcom/Pace Landmaster II 10 meter FM transceiver.



From bottom to top: Hallicrafters HT-20 transmitter; Heath DX-100 transmitter; Hallicrafters S-85 receiver; home brew 222 MHz linear amplifier (100 watts output).



Heath original "twins" station. Bottom row: TX-1 "Apache"; RX-1 "Mohawk"; HA-10 "Warrior".

On top of "Apache": VHF-1 "Seneca". On top of "Seneca": CA-1 "Conelrad Monitor"; AM-1 SWR bridge. On top of CA-1 Signa-Tone code practice oscillator. On top of AM-1 is a home brew VXO (variable crystal oscillator) for 144 MHz and 432 MHz.

On top of "Mohawk": SB-10 SSB adapter, XC-2 2-meter converter, and XC-6 6-meter converter.

On top of "Warrior": Heath AK-5 speaker.

The round item on the wall with the "shamrock" is the Zook "hex symbol". These were placed on houses, barns, etc., by the Mennonite and Amish to protect the structure from harm.

The microphone is an Astatic D-104 and the "bug" is a Vibroplex "Original".



The "operator" at the Heath original "twins" station is Arnie, short for "little orphan Arnie a felines domesticus Americanus ("alley cat") who adopted us about 5 years ago as a kitten. He "showed up" on day and "stuck around". Remember, you don't adopt a cat, they adopt you! He has gotten to big to be able to "stretch out" like he did when a kitten. But, he still likes to sleep at the equipment. Also, he likes to "send CW" on the Vibroplex original when it is connected to a code practice oscillator.