

# SCARC/CARC Field Day 2006

Lincoln Way Chapter  
of the American Red Cross,  
Ames, IA

Class 2F

W0YL

W0ISU (GOTA)

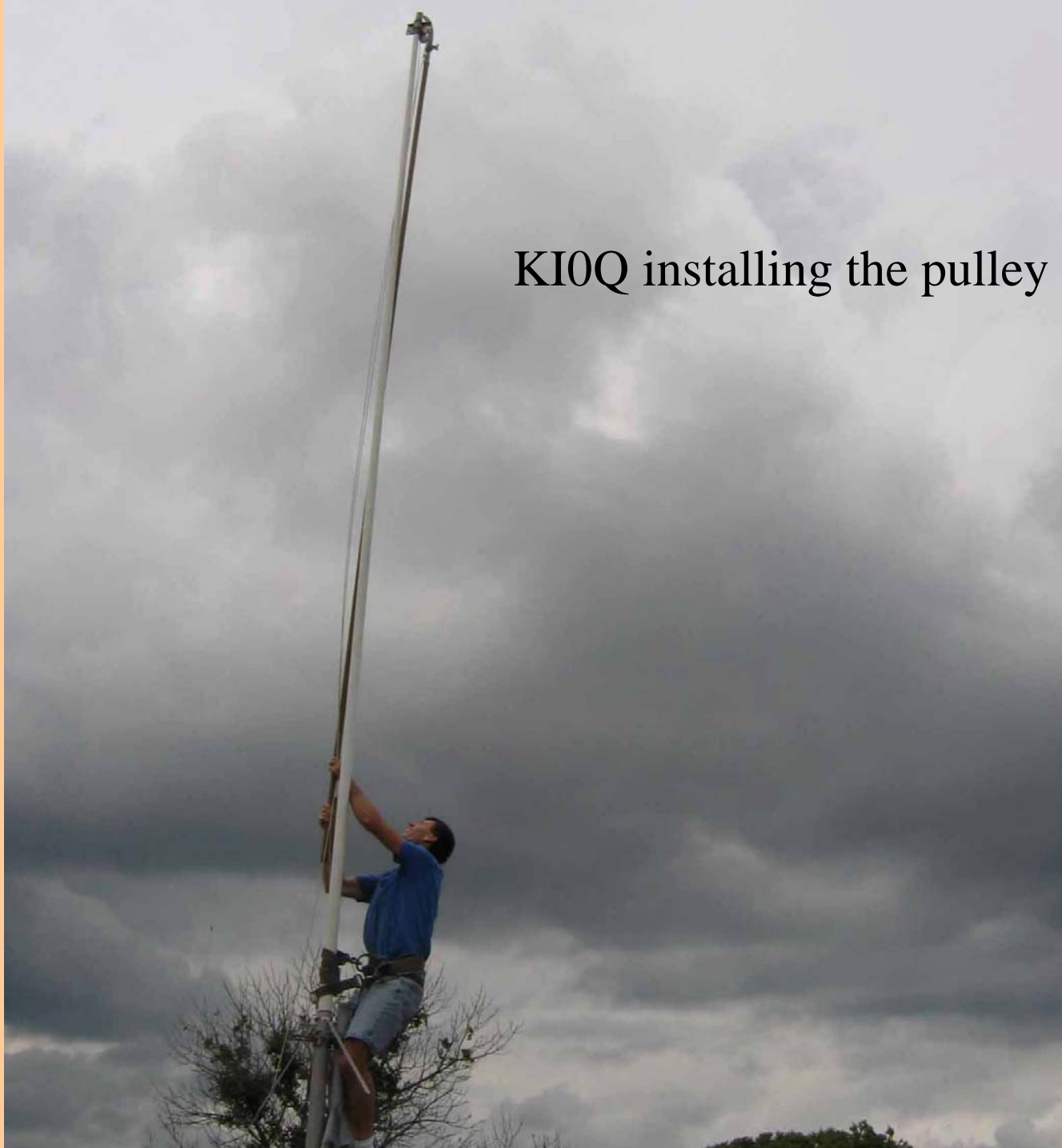
# Participants

**Operators:** AC0BG, AD0H, AG3V, K0KT,  
KC0JUO, KC0WYT, KC0SVG, KC0IXI, KI0Q,  
N0HR, N0NRO, N0RWW, W0LBG, WB0FYB

**Other participants:** K0EMJ, KA0IOR,  
KC0TOE, W0WDX

**Ham visitors:** KC0MZ, KC0WKE, KC0WMQ,  
N0NPZ, N0BKB, W0NFL

KI0Q installing the pulley



80 and 40 meter dipoles installed on top of the Red Cross building, at right angles



# Setting up the GOTA station





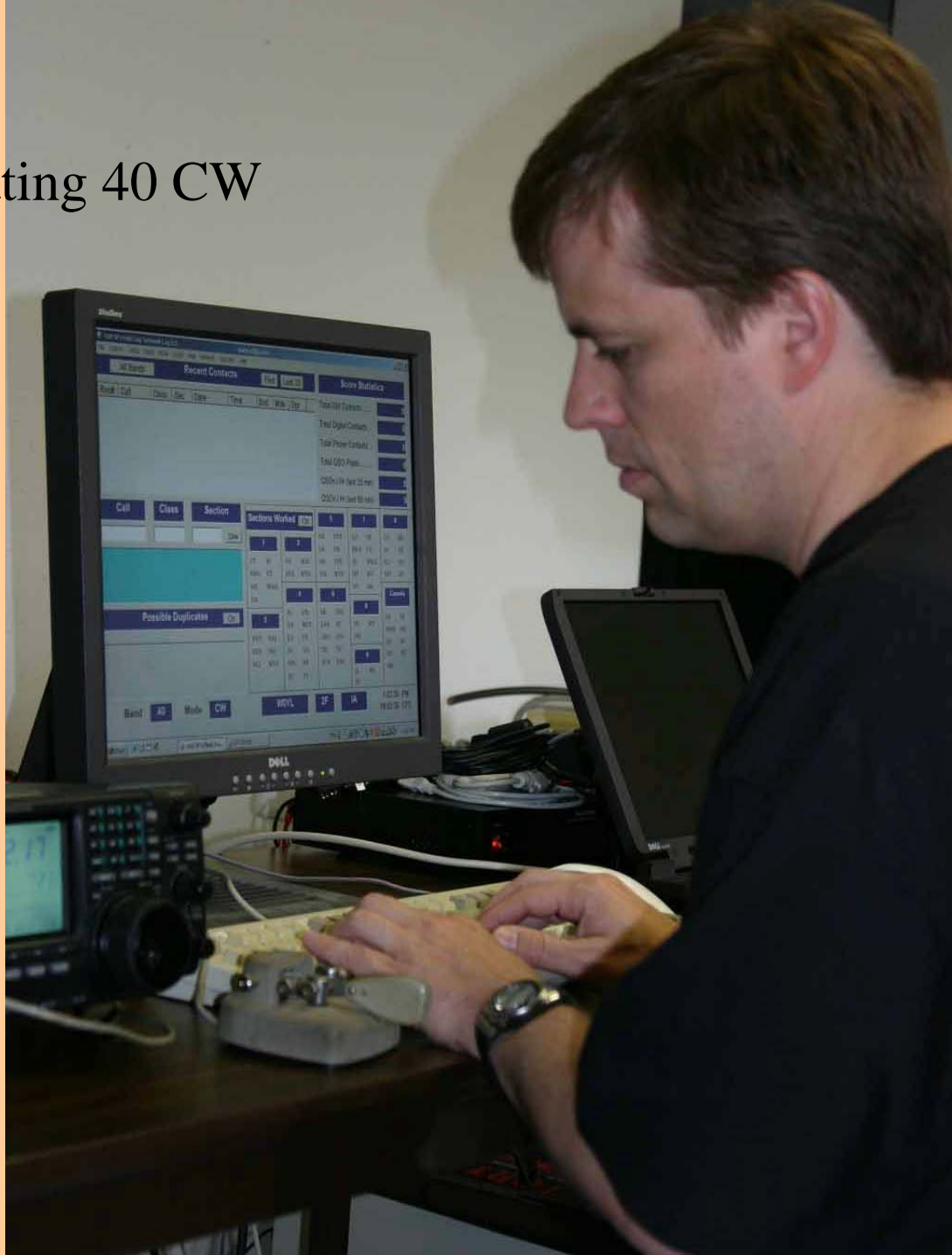
# K0KT hooking up the filters





W0WDX and K0KT connecting antennas to the ICOM 746  
2 minutes before starting time

N0HR operating 40 CW

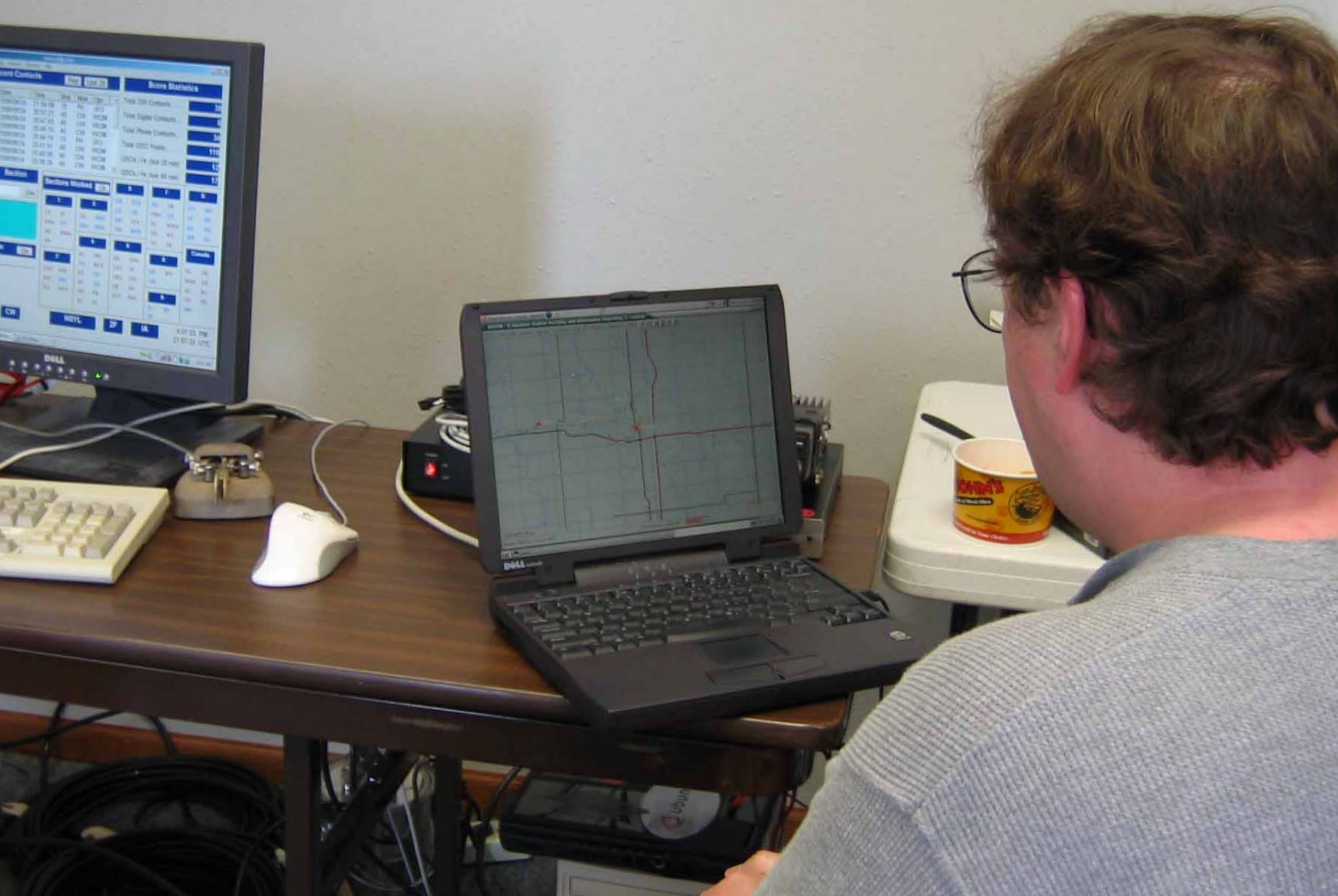






K0KT operating 40CW, N0NRO doing APRS, AD0H watching

# N0NRO demonstrates APRS



KC0IXI explaining ham radio to  
GOTA visitors





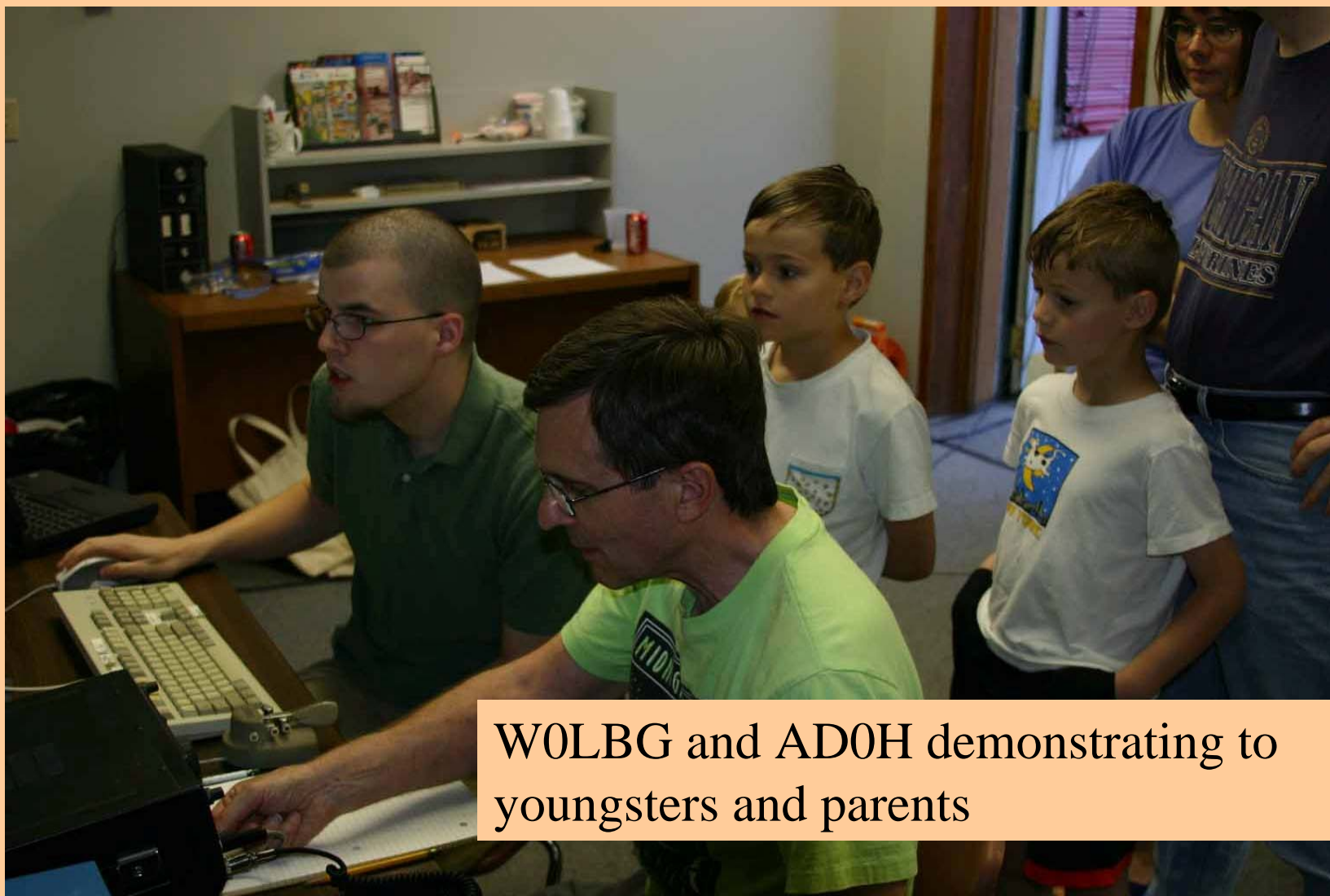


AG3V explaining HF operation at the GOTA station; KC0JUO looks on.



WOLBG and AD0H demonstrating to youngsters and parents





W0LBG and AD0H demonstrating to youngsters and parents



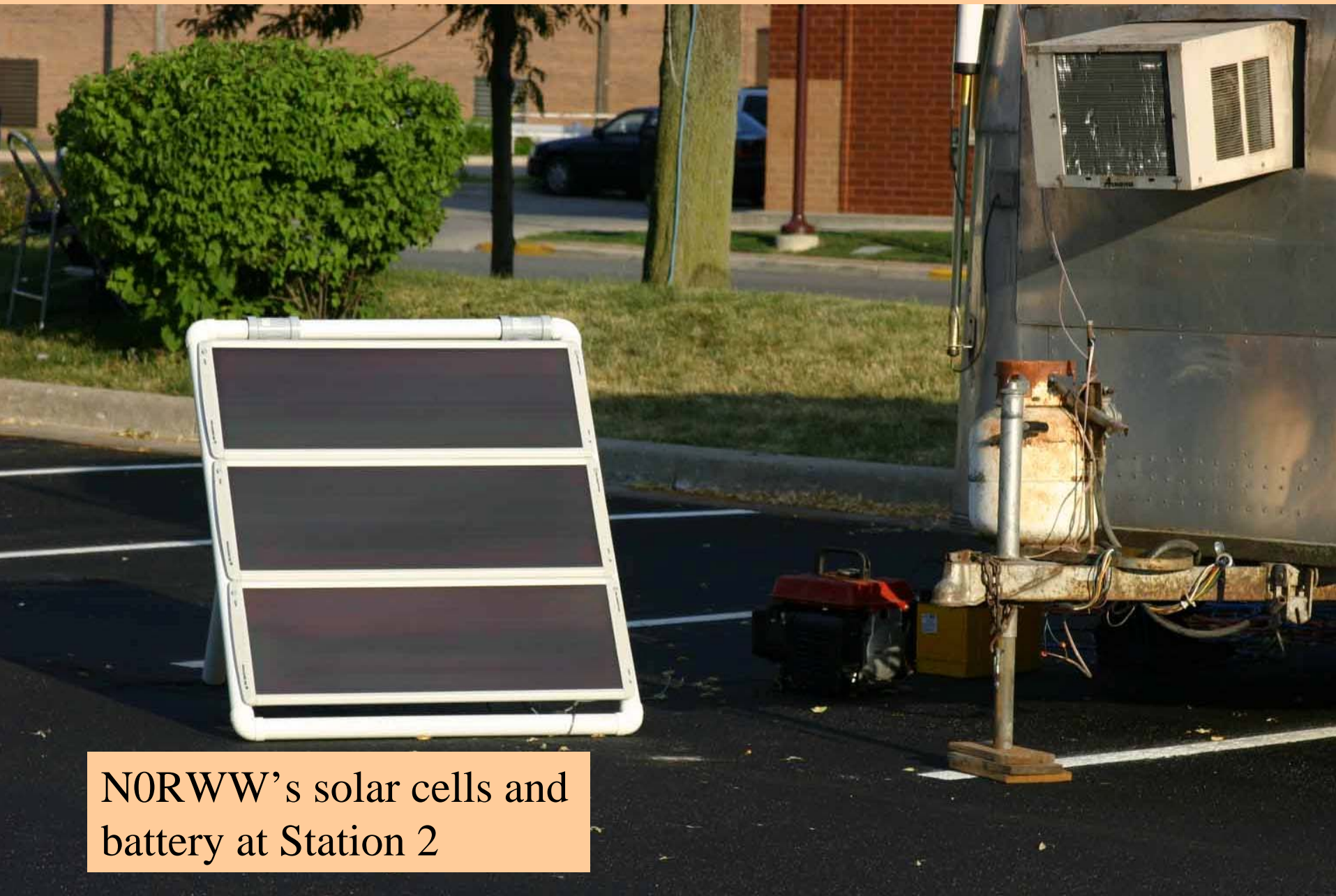
AG3V and KC0JUO testing the Red Cross generator



N0NRO, N0RWW, AC0BG, and KC0SVG setting up in the parking lot







NORWW's solar cells and battery at Station 2

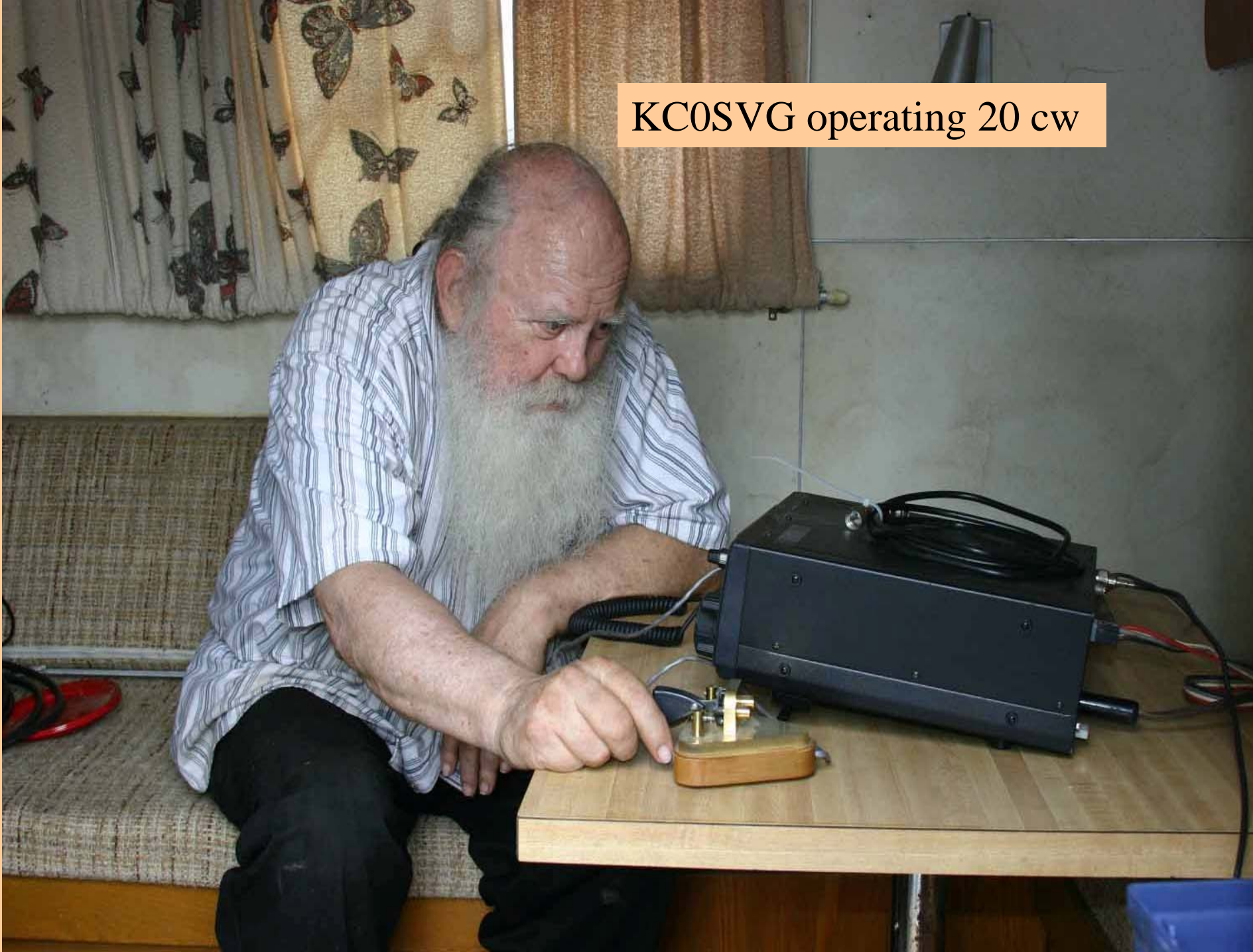


NORWW operating 6 meters

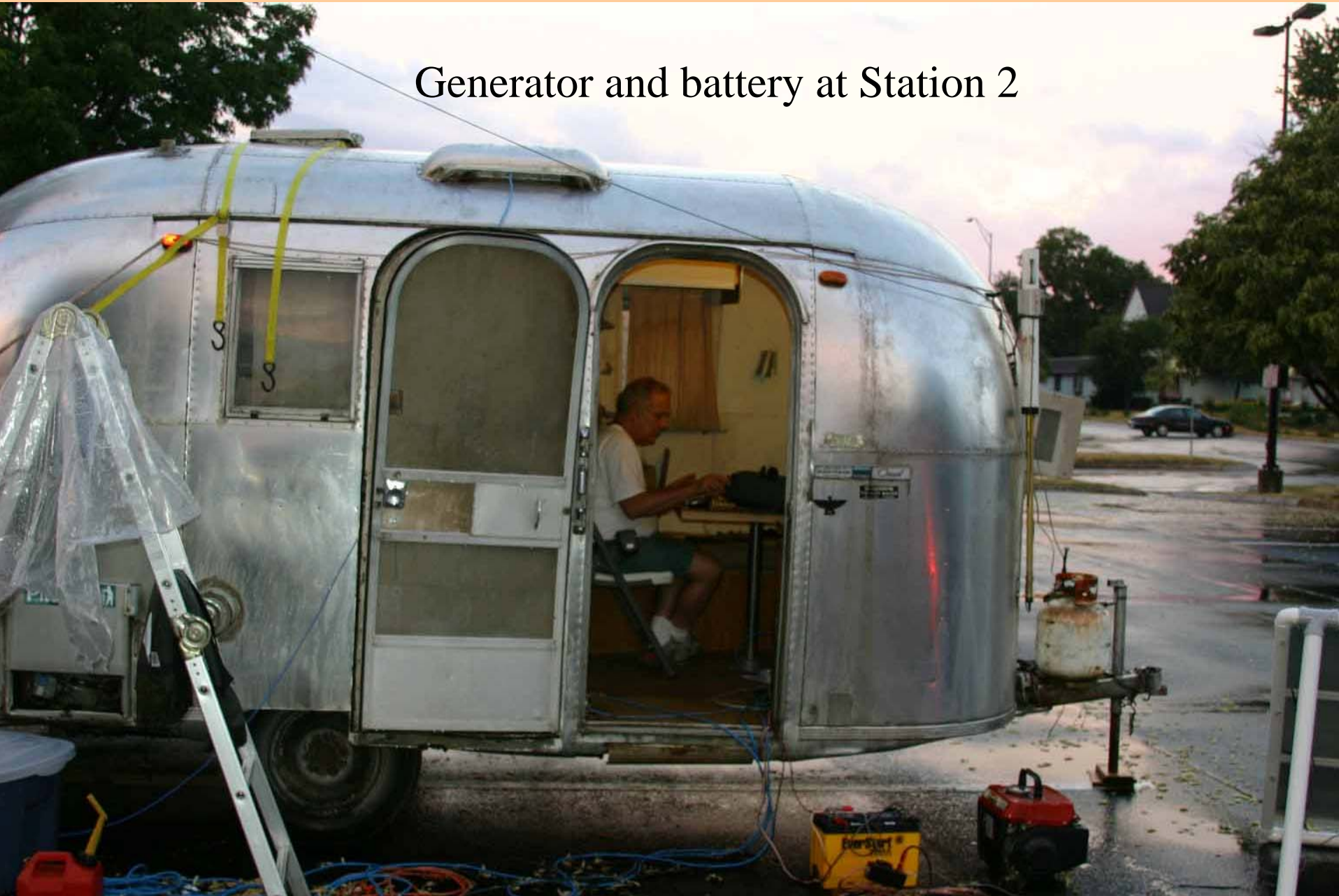




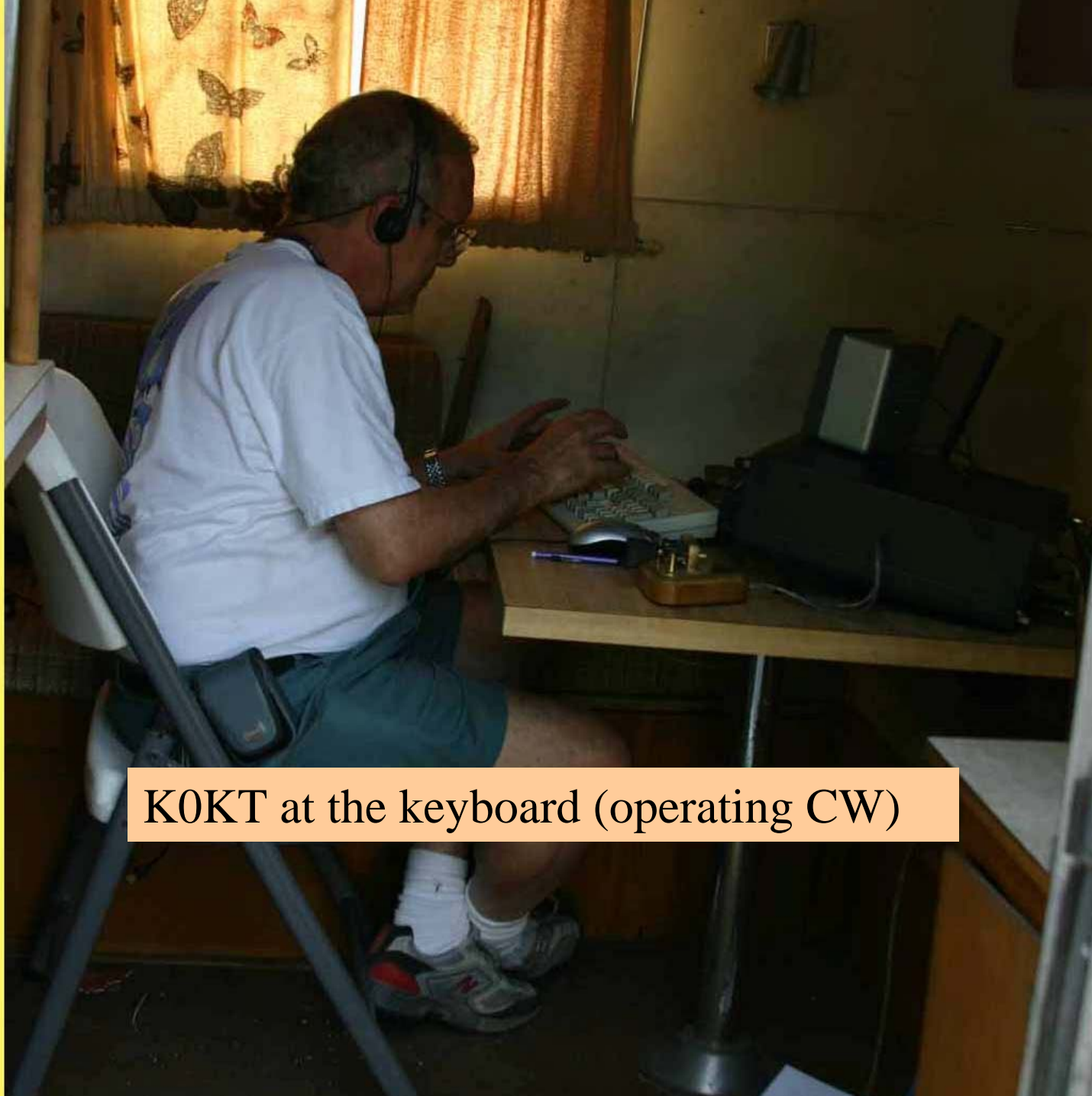
KC0SVG operating 20 cw



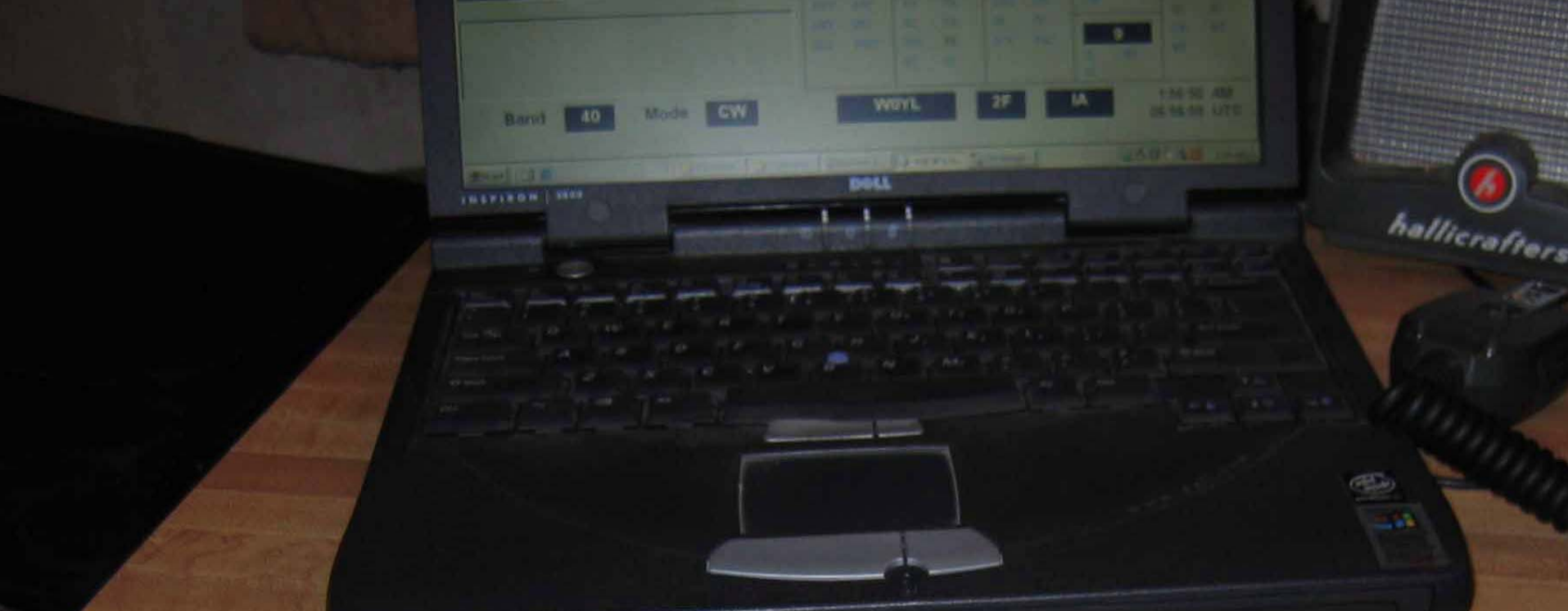
## Generator and battery at Station 2



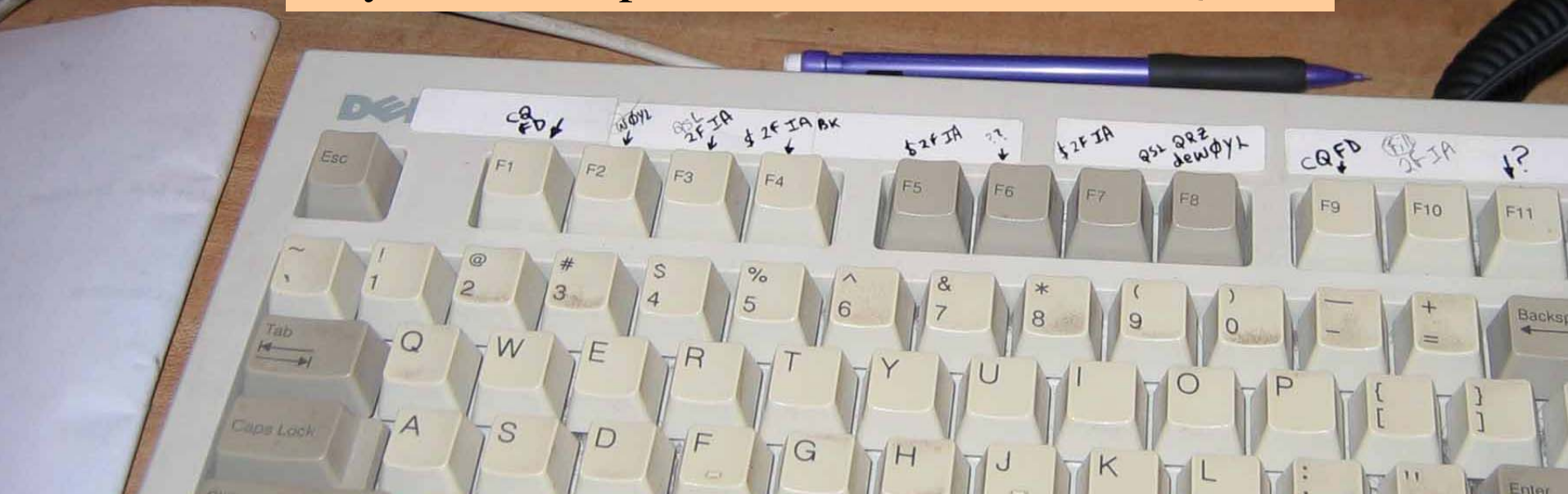




K0KT at the keyboard (operating CW)



Keyboard set up for semi-automatic CW QSOs

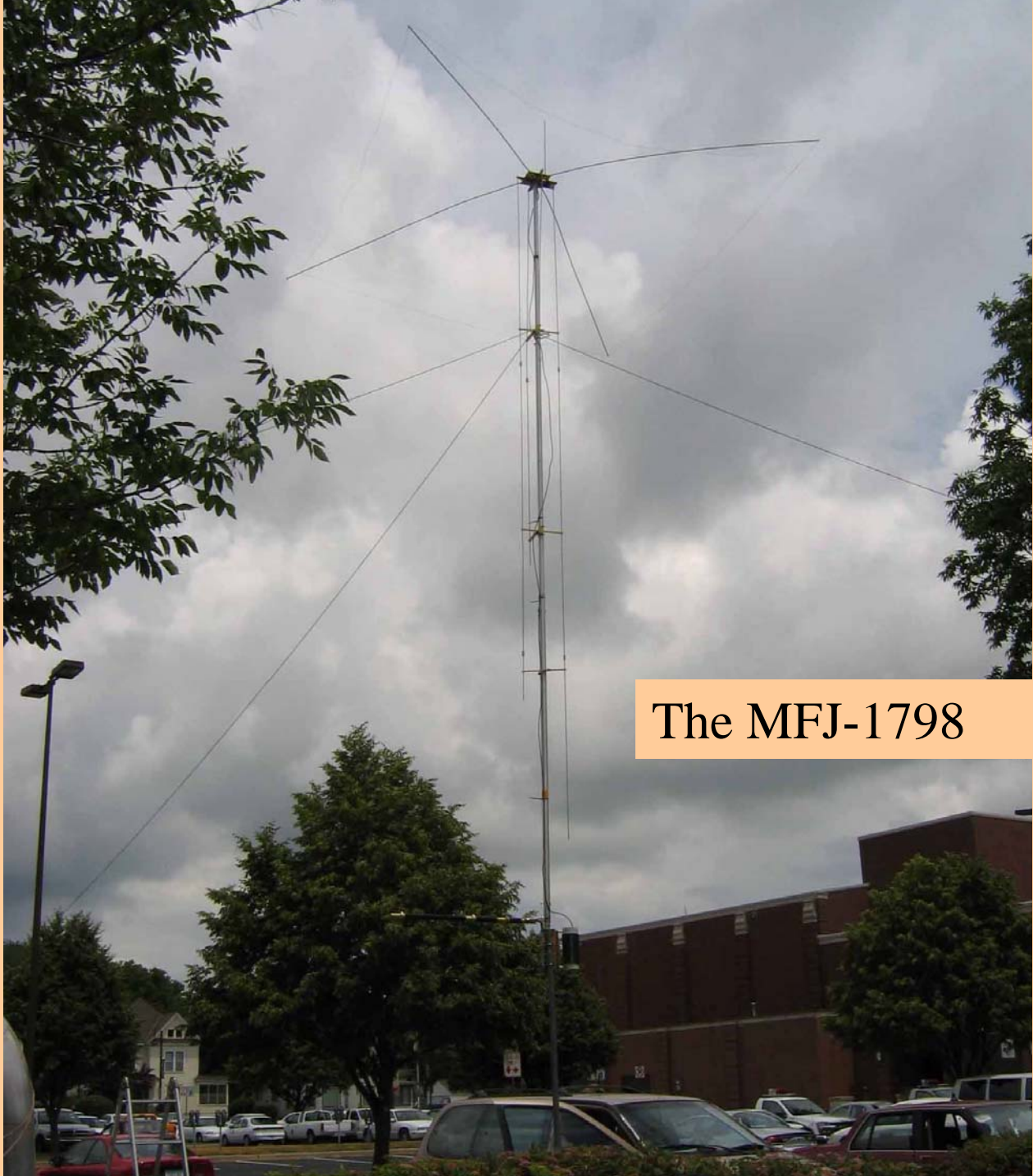






W0LBG tuning the MFJ-1798 for 80 meters after midnight





The MFJ-1798

AC0BG operating 75 meters around 2 am

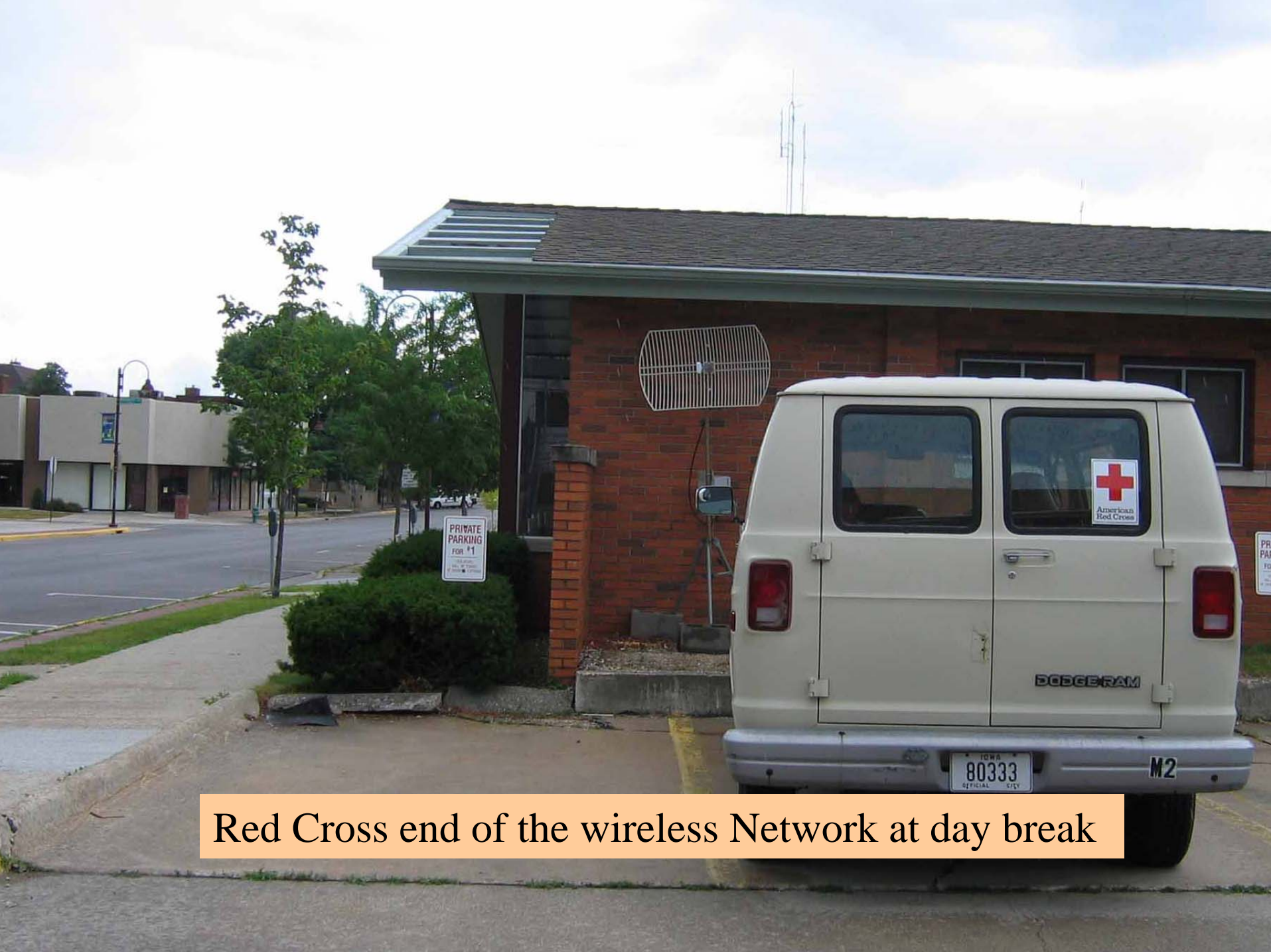




Parking lot end of the wireless network at day break







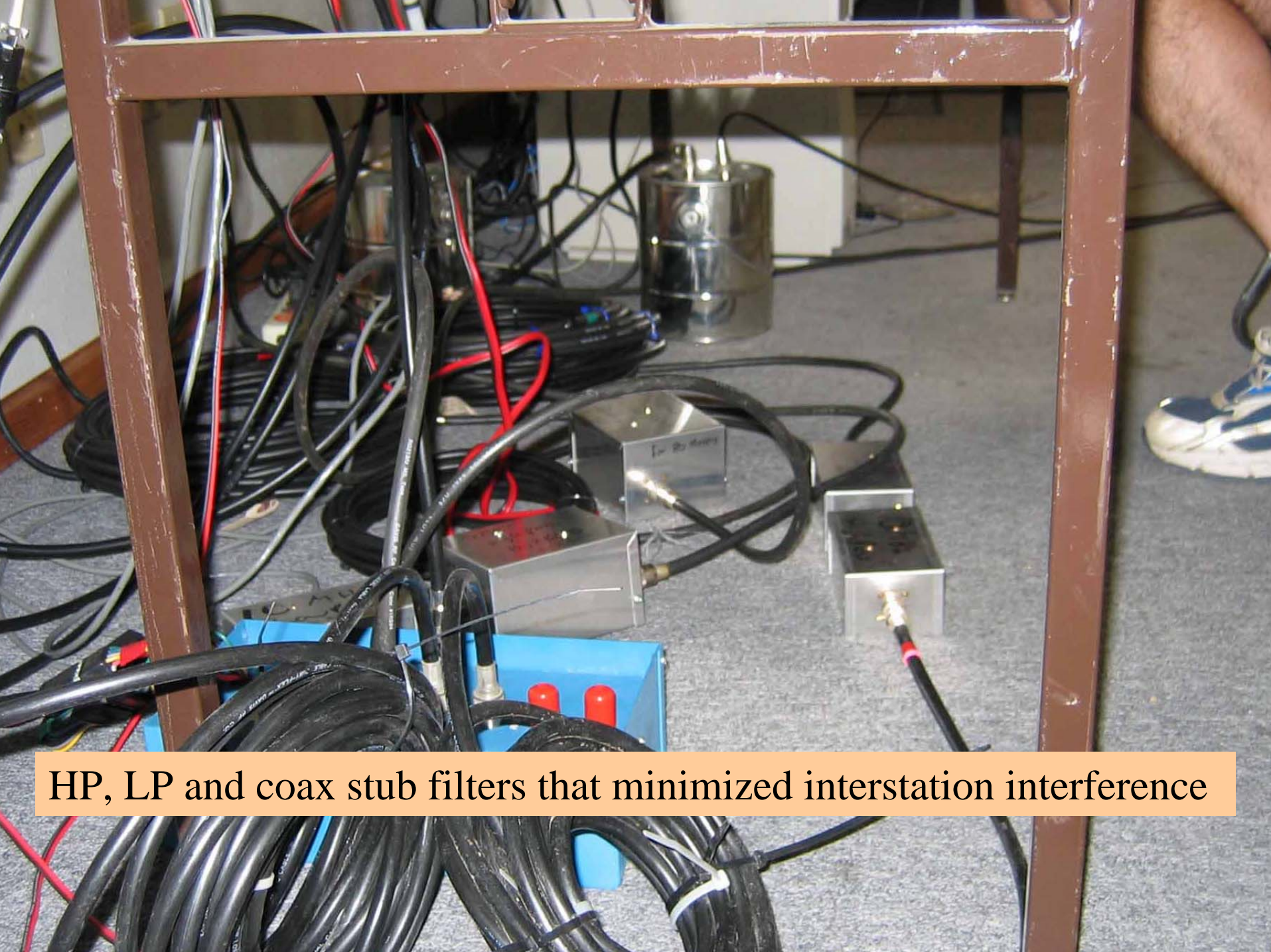
Red Cross end of the wireless Network at day break



KI0Q operating 40 meters around 6am  
Sunday morning







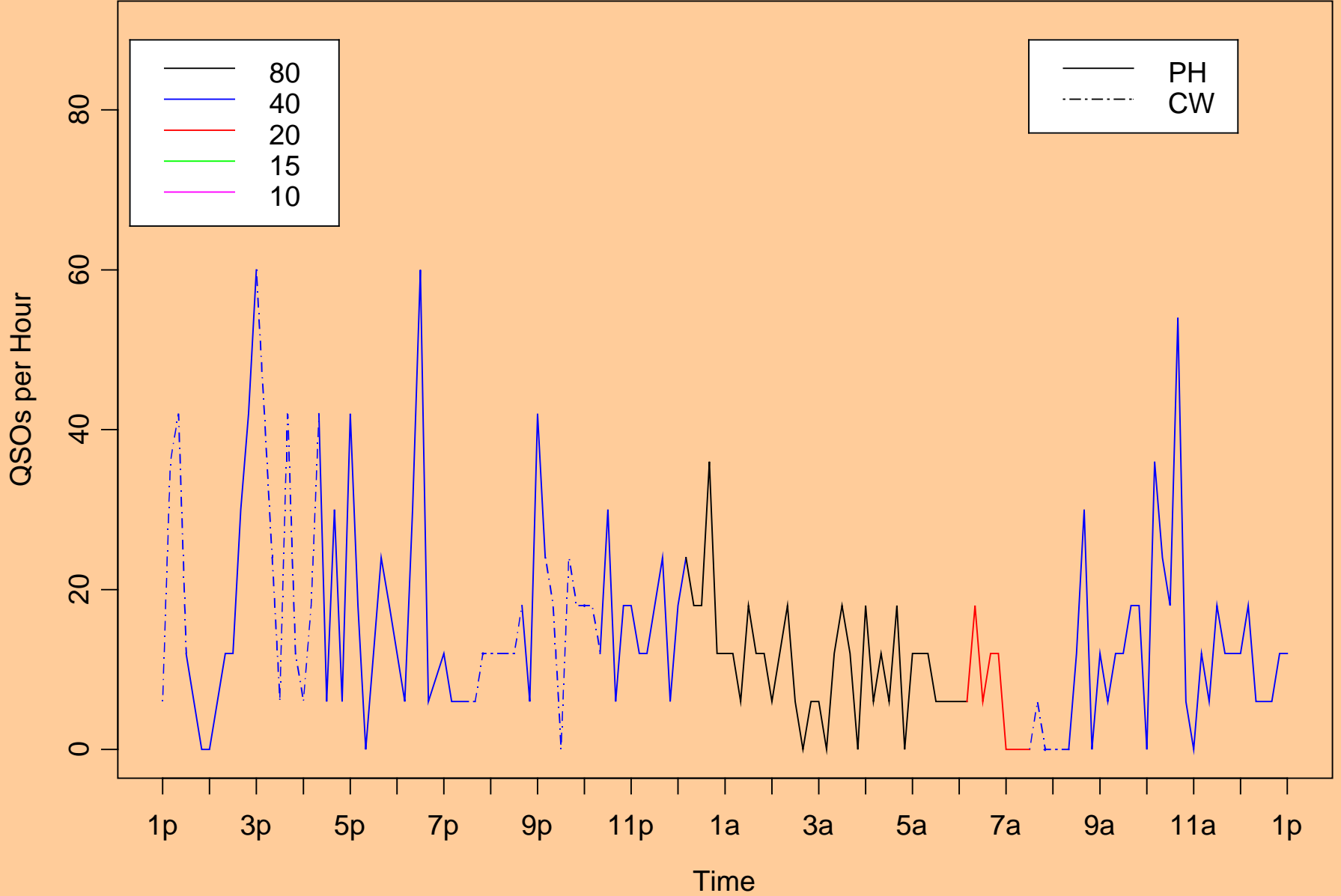
HP, LP and coax stub filters that minimized interstation interference

# QSO Summary

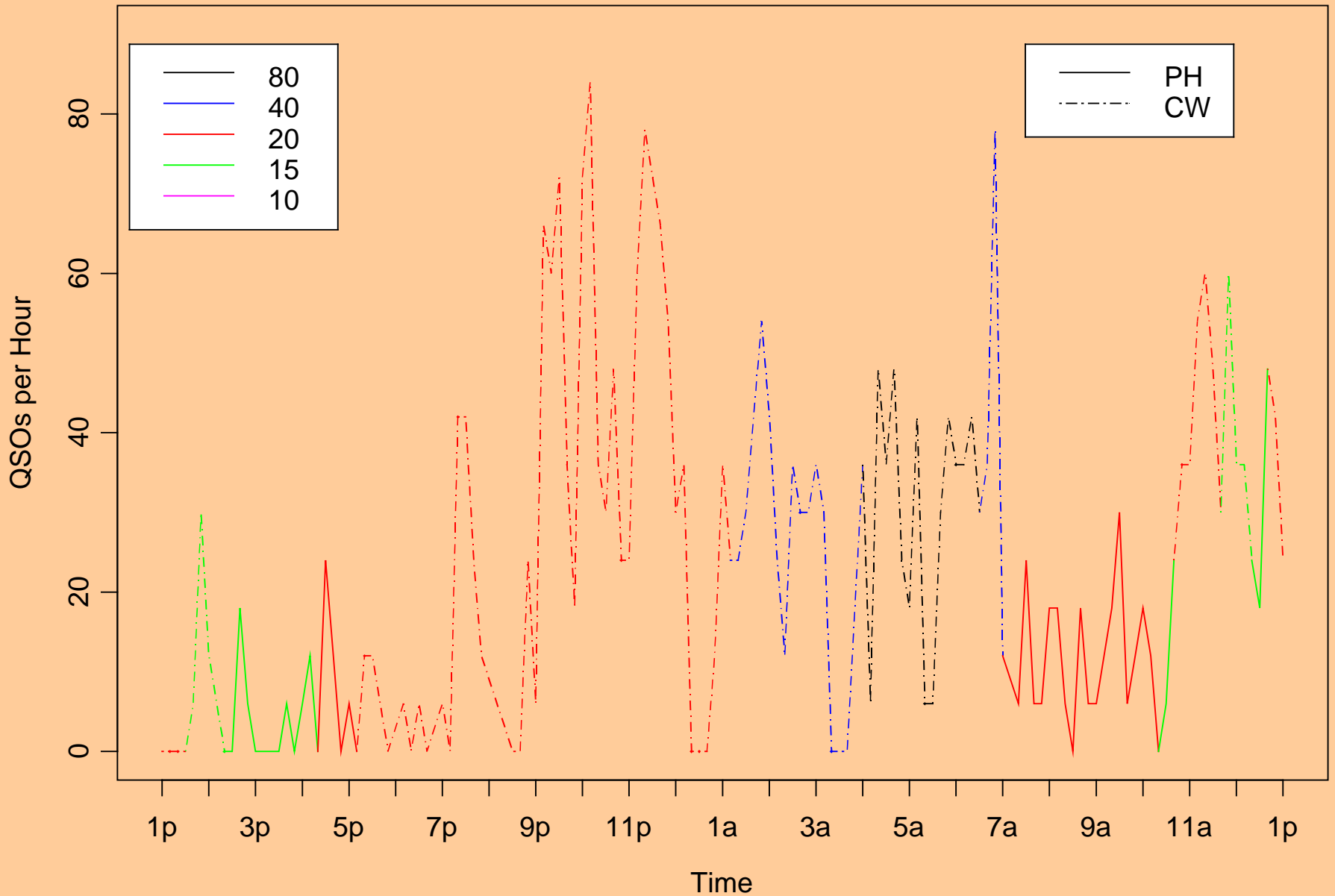
	CW		Digital		Phone	
	QSO	Power	QSO	Power	QSO	Power
160	0	150	0	150	0	150
80	75	150	0	150	66	150
40	163	150	0	150	180	150
20	264	150	0	150	53	150
15	33	150	0	150	21	150
10	0	150	0	150	0	150
6	0	150	0	150	5	150
<b>GOTA</b>	0	150	8	150	15	150
<b>Totals</b>	<b>535</b>	<b>CW</b>	<b>8</b>	<b>Dig</b>	<b>340</b>	<b>Phone</b>



# Station 1



# Station 2





# QSO Points

Total CW QSO's: 535 X 2 = Total CW QSO points: 1070

Total Digital QSO's: 8 X 2 = Total Digital QSO points: 16

Total Phone QSO's: 340 X 1 = Total Phone QSO points: 340

Total QSO points: 1426

Power Multiplier 150 Watts or less = 2

Claimed Score: 2852

Worked all states and all ARRL sections except PR and NL

# Bonus Points

X 100% Emergency power (KC0JUO)	100
X Media Publicity (KC0IXI)	100
X Set-up in Public Place (Team)	100
Information Booth	100
NTS message to ARRL SM/SEC	100
W1AW Field Day Message	100
Formal NTS messages handled (#)	
Satellite QSO completed	
Natural Power QSO's Completed	100
X Site Visited by elected official (KC0IXI)	100
X Site Visited by served agency official (KC0JUO)	100
GOTA maximum QSO's achieved	
X Non-Traditional mode: APRS (N0NRO)	100
X Youth Participation (# 2) (KA0IOR, KC0IXI, AD0H)	40



# Special Thanks 1

- KI0Q for the wireless network, difficult antenna work, long hours on 40 phone
- KC0SVG for providing his Airstream camper for Station 2
- AG3V, CARC, and KC0SVG for bringing radios
- KC0IXI for arranging publicity
- AG3V, KC0IXI, and AD0H for serving at GOTA coaches

# Special Thanks 2

- K0JYF and AC0BG for providing the MFJ-1798 antenna for Station 2
- AC0BG for bringing his generator and battery
- AG3V, KC0JUO and KC0IXI for inviting special officials and securing permissions
- KC0JUO for serving as the Red Cross liaison
- K0CQ for HP and LP filters and K0KT for coax stub filters

# Special Thanks 3

- N0RWW for letting us use his solar panels
- N0NRO for operating his APRS station
- AC0BG, KI0Q, W0LBG, KC0SVG, K0KT for working the late/early shifts (midnight to 6am)
- Frieda and KC0IXI for food and drinks, respectively
- K0EMJ, K0KT, and WB0FYB for photographs



# Suggestions for Field Day 2007

- Delegated responsibilities for particular bonus point tasks and documentation
- Test all antennas before FD (like AC0BG does)
- 500 Hz CW filters in both radios, if possible
- Alternative 40-80 meter antenna at Station 2

# Suggestions for Field Day 2007

- More emphasis on digital modes for main stations and the GOTA station
- Move the GOTA station to different active bands and use more digital
- Some long-term GOTA operators
- More GOTA coaches; more detail in log