

# SCARC/CARC Field Day 2008

4H Building

Iowa State University Campus

Ames, IA

Class 2F

W0YL

W0ISU (GOTA)

# Participants

**Operators:** AC0BG, AI1P, KD0EDL, AD0H,  
AG3V, K0KT, KC0JUO, KC0SVG, ND0D,  
KI0Q, N0HR, KC0WKE

**Other ham participants and visitors:**  
KA0IOR, NA0I, W0DP, K0NN, N9WTM

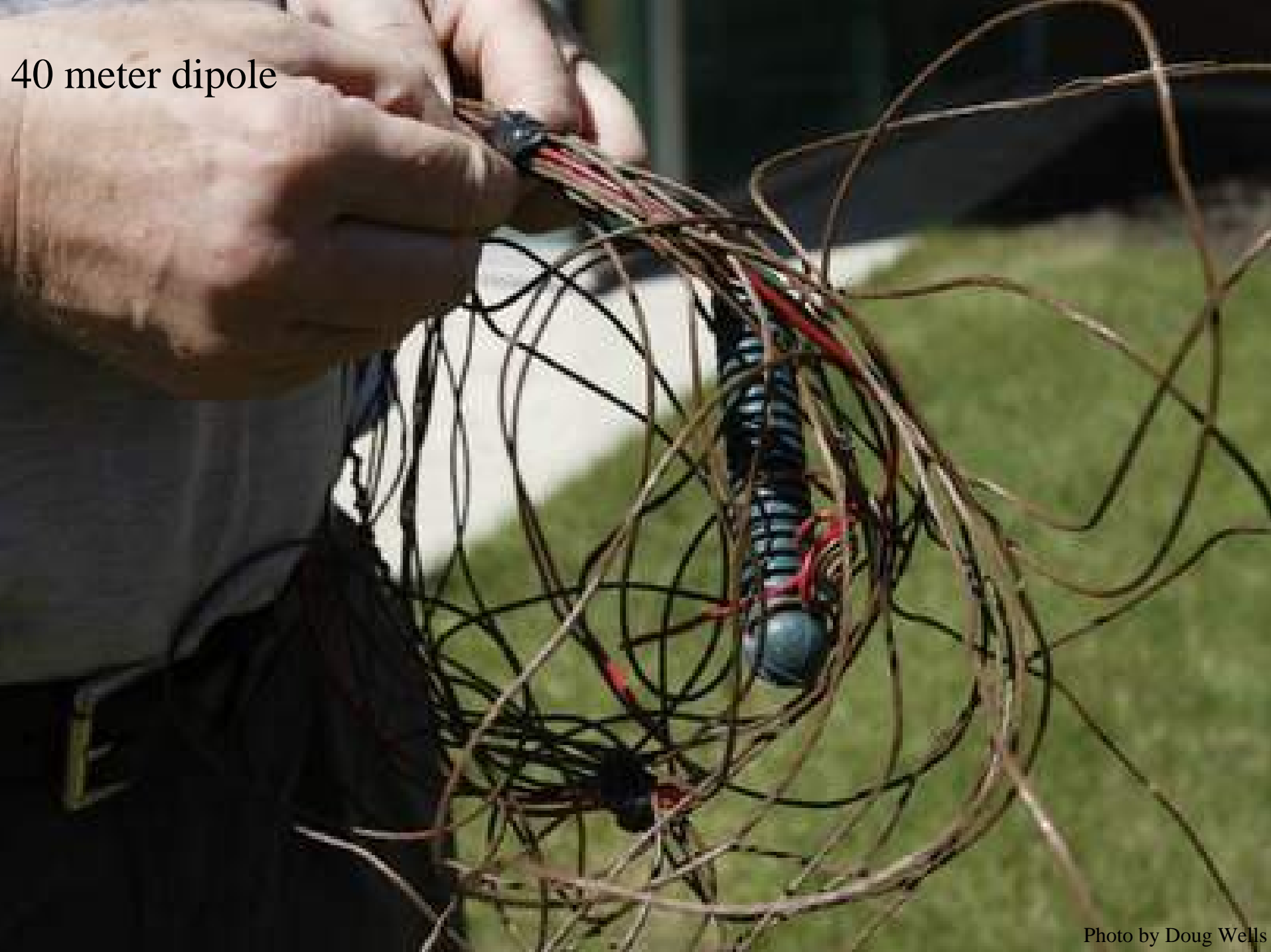
AI1P fishing in the trees



AC0BG with slingshot  
putting wires into the trees



40 meter dipole



# Vertical antenna used on 20, 15, 10



# KI0Q and AC0BG putting up wires

Photo by Doug Wells



# AC0BG and AG3V working on antennas for the East station

Photo by Doug Wells





# AG3V and DSM Register reporter Doug Wells



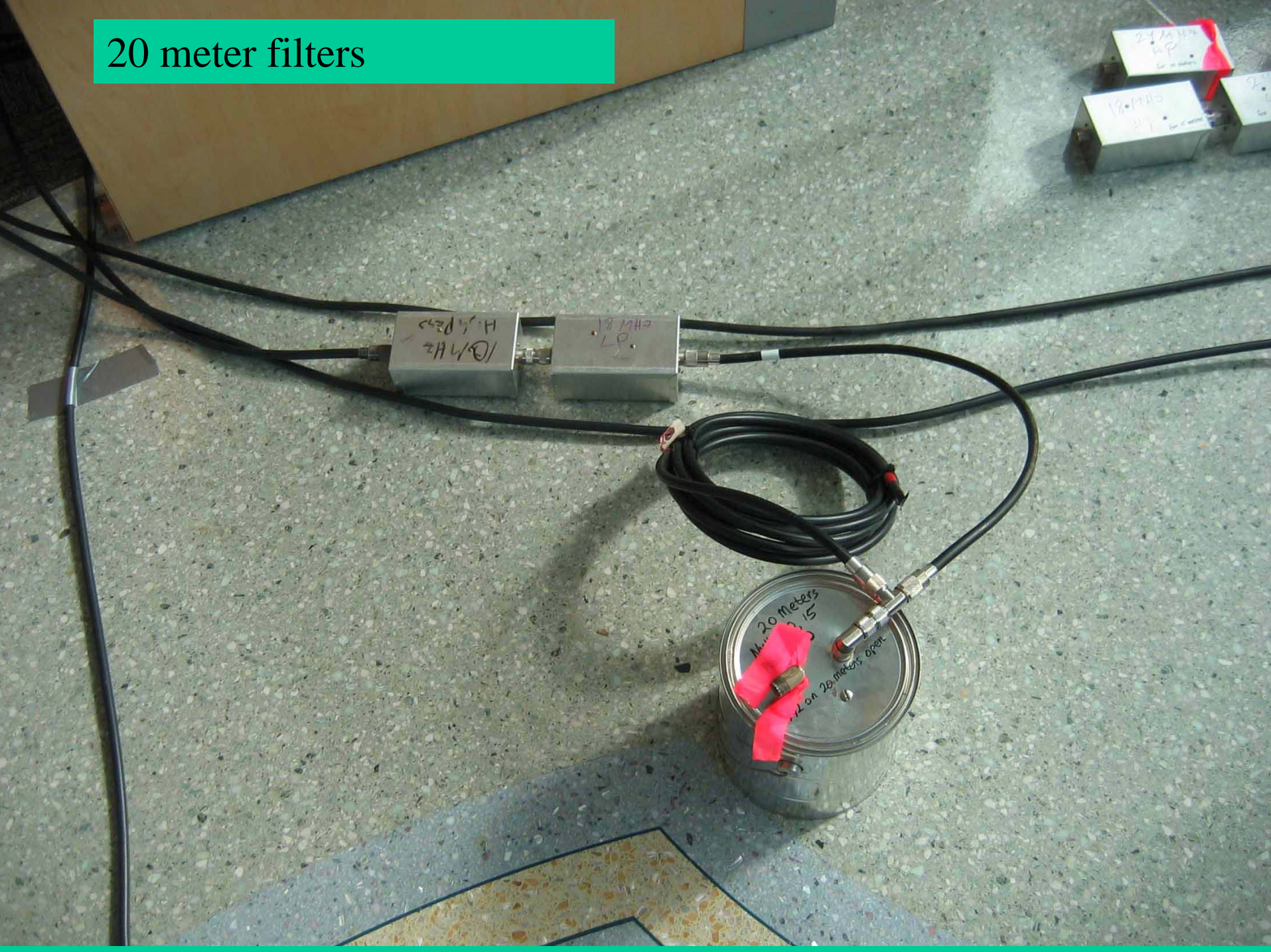
# 40 meter filters



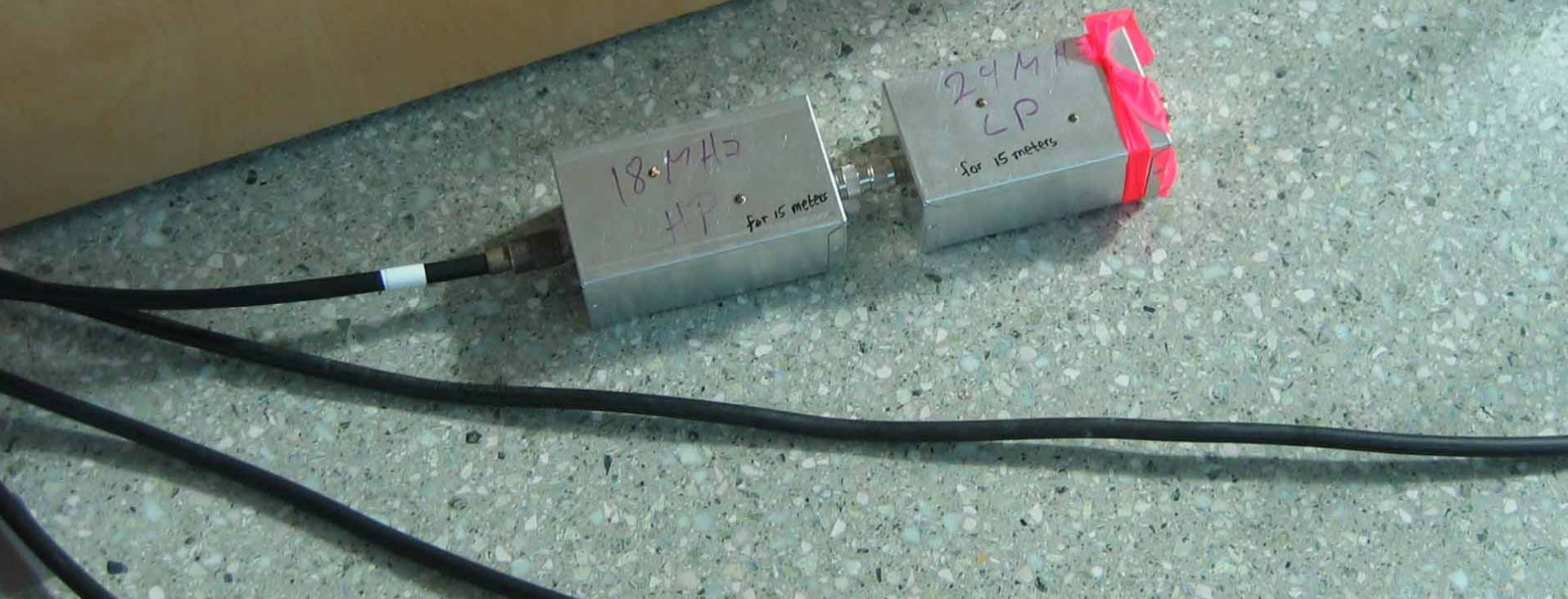
80 meter filters



# 20 meter filters



# 15 meter filters



# K0KT hooking up filters to the 6-pack





N0HR and ND0D at the public information desk with the GOTA station in the background

KC0JUO on SSB at the start of FD





S&P

F1	F2	F3	F4
SCQ FD	W0ISU	Q Exch	Again?

Run

F5	F6	F7	F8
QRZ FD	QRZ?	Exch	QSL-QRZ

F9	F10	F11
MCQ FD	STATE?	LCQ FD

Keyboard set up for semi-automatic CW QSOs

# K0KT using RIT to tune for answers to his CQ FD





# Recent Contacts

Class	Sec	Date	Time	Bnd	Mode	Op
1B	OH	2008/06/28	18:20:19	20	CW	WOM
2A	MI	2008/06/28	18:16:28	40	PH	CAM
5A	VT	2008/06/28	18:12:47	20	CW	WOM
1E	WWA	2008/06/28	18:11:54	20	CW	WOM
2A	CO	2008/06/28	18:09:58	20	PH	CAM
2D	WI	2008/06/28	18:09:34	40	PH	CAM
2A	ND	2008/06/28	18:08:01	40	CW	WOM
2A	ND	2008/06/28	18:06:36	40		

Call

Section

Section Forward

N3FJP logging software continued to work well for us

Photo by Doug Wells

# GOTA

GET  
ON



THE  
AIR

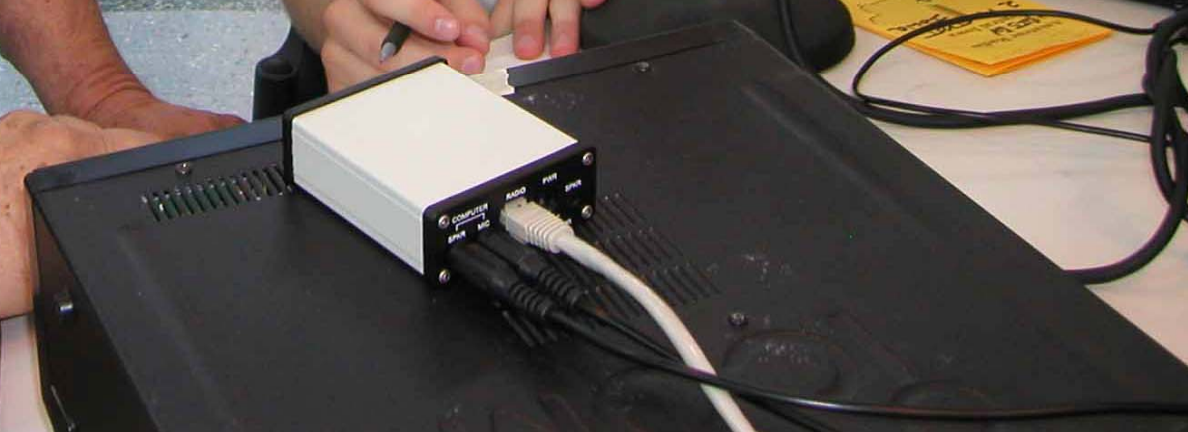
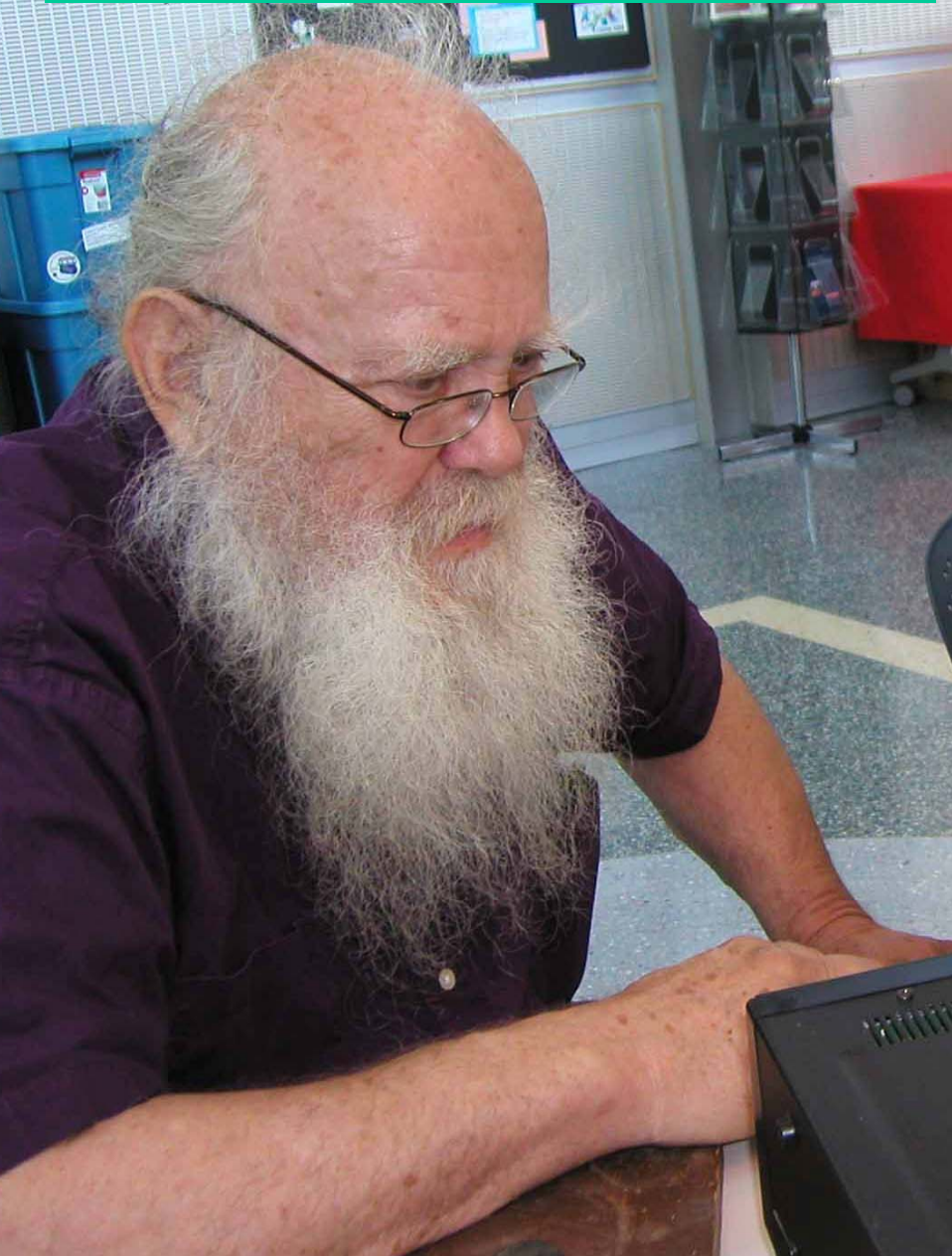
# FIELD DAY

# N0HR coaching KD0CIH



people  
who are learning  
ship and  
e sk

# KC0SVG coaching KD0CIH



KD0CSD coaching a youthful operator talking to a ham in Canada



ar's young GOTA operators



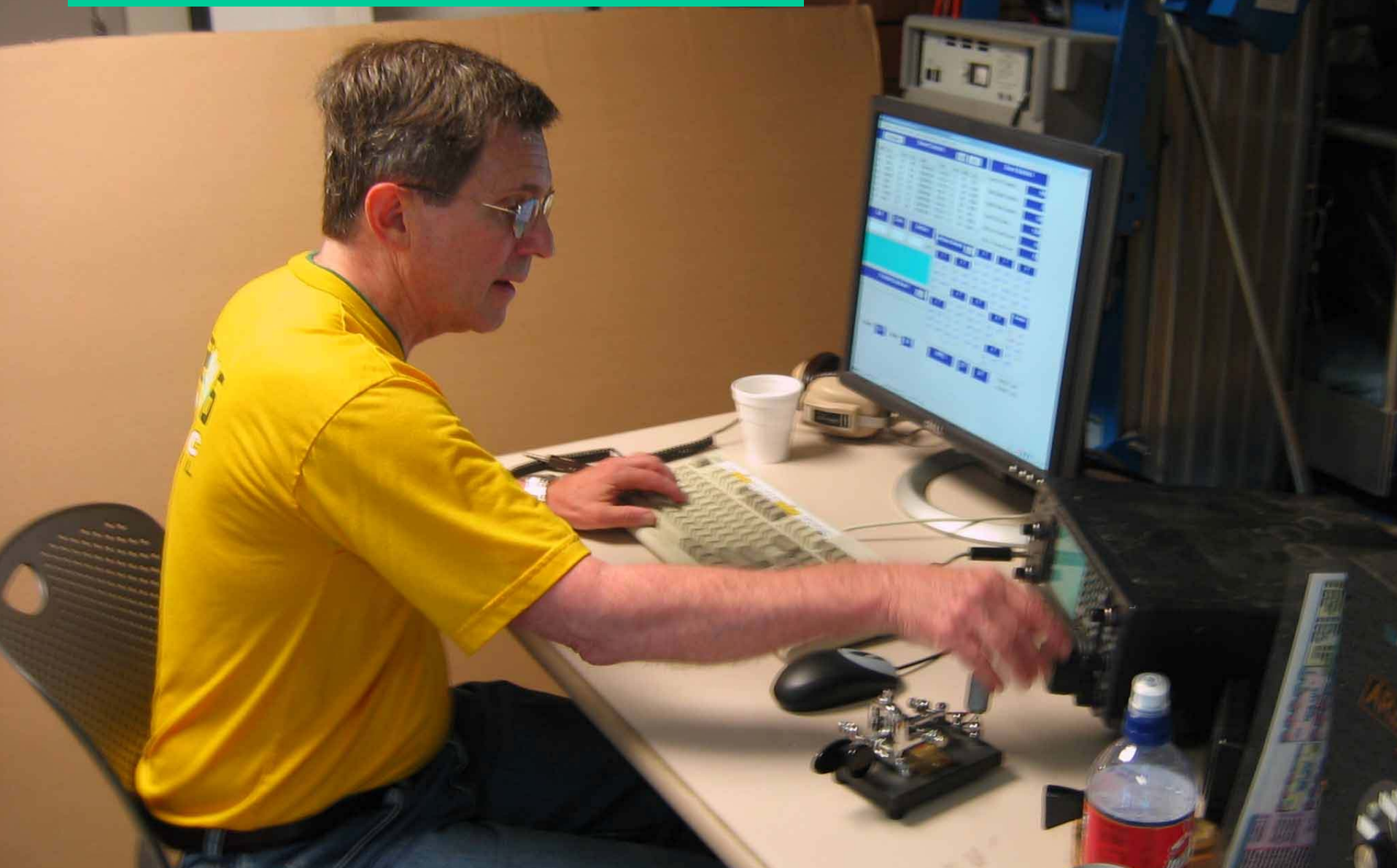




Photo by Doug Wells

ND0D watching KC0JUO operate SSB at the East station

AD0H on CW at the West station



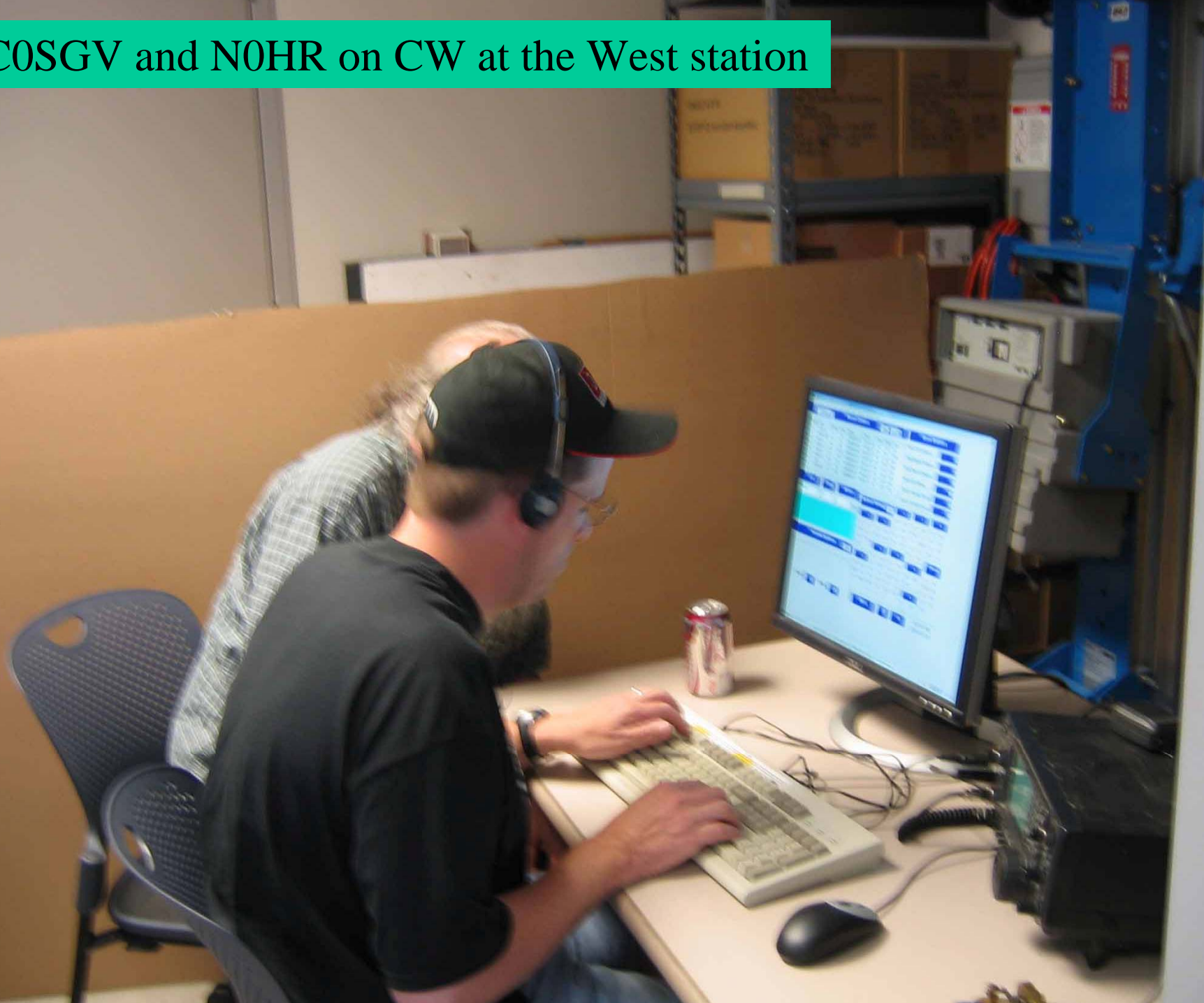
K0KT operating CW at the West station



KN0R on SSB at the East station Saturday evening



KC0SGV and N0HR on CW at the West station



# AI1P operating SSB with KD0EDL logging



# KD0EDL operating SSB with AI1P logging



# KD0EDL operating SSB with AI1P logging





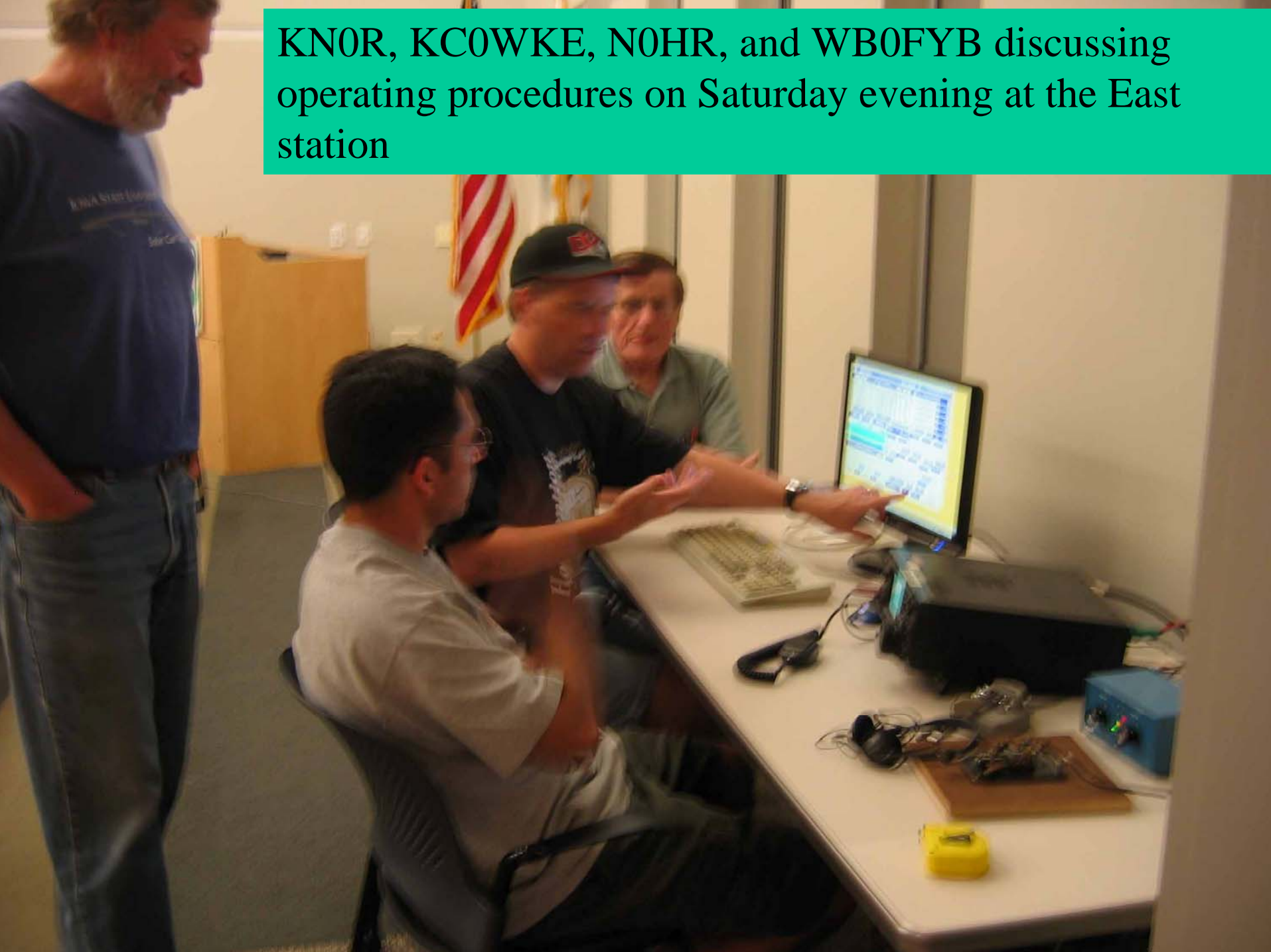
KC0SVG and N0HR on CW at the West station



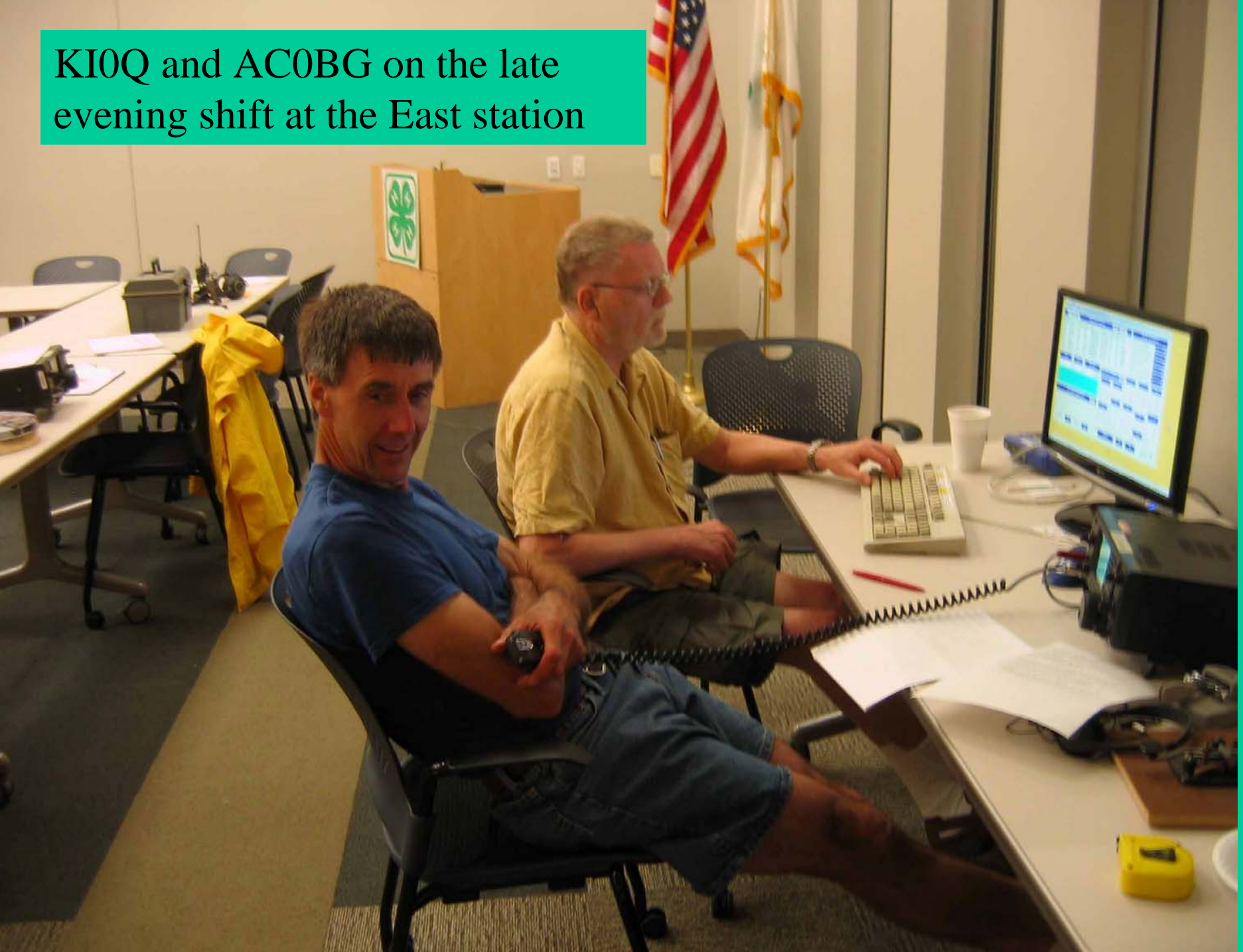
# AD0H on CW at the West station



**KN0R, KC0WKE, N0HR, and WB0FYB discussing operating procedures on Saturday evening at the East station**



KI0Q and AC0BG on the late evening shift at the East station



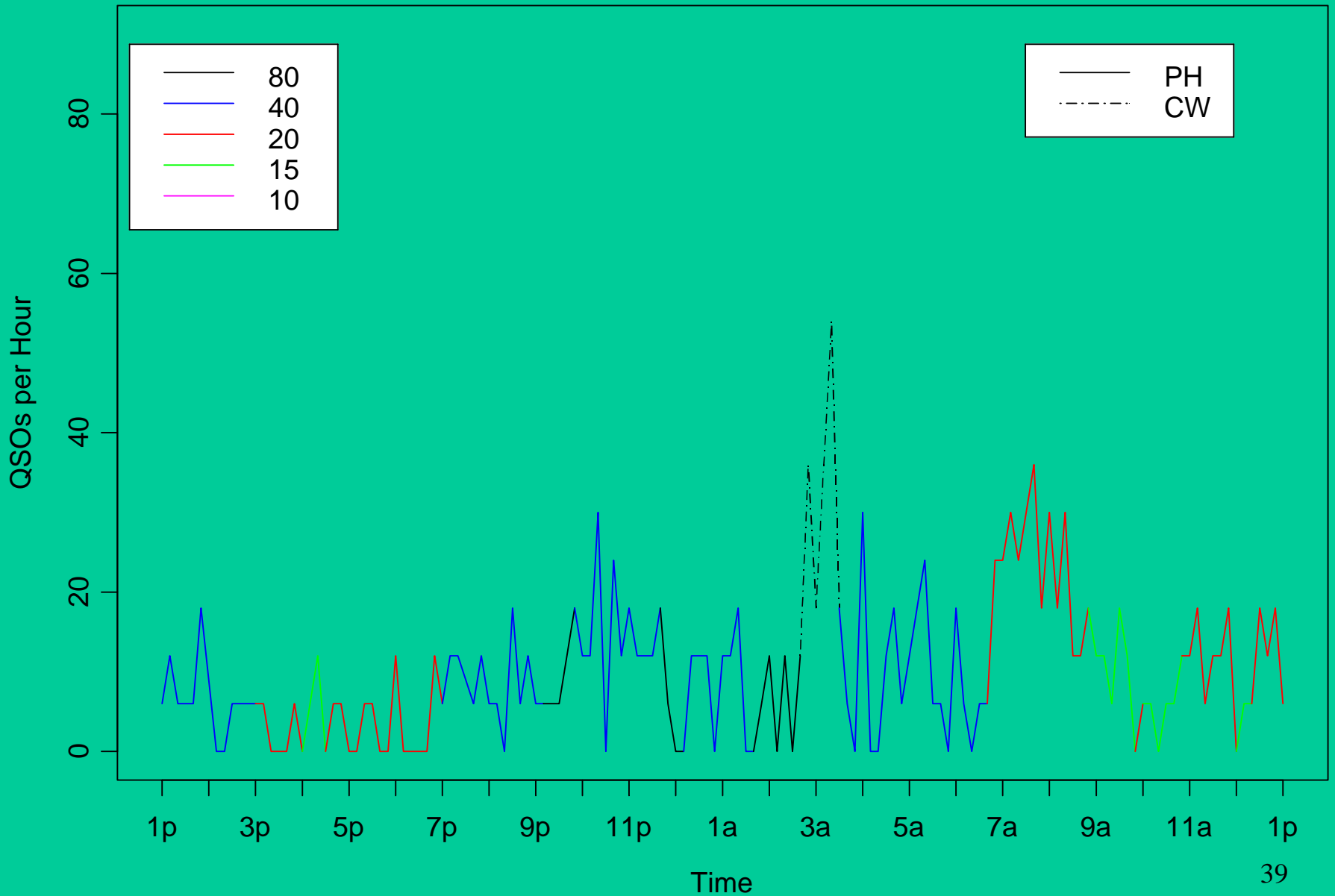
KC0JUO testing the generator



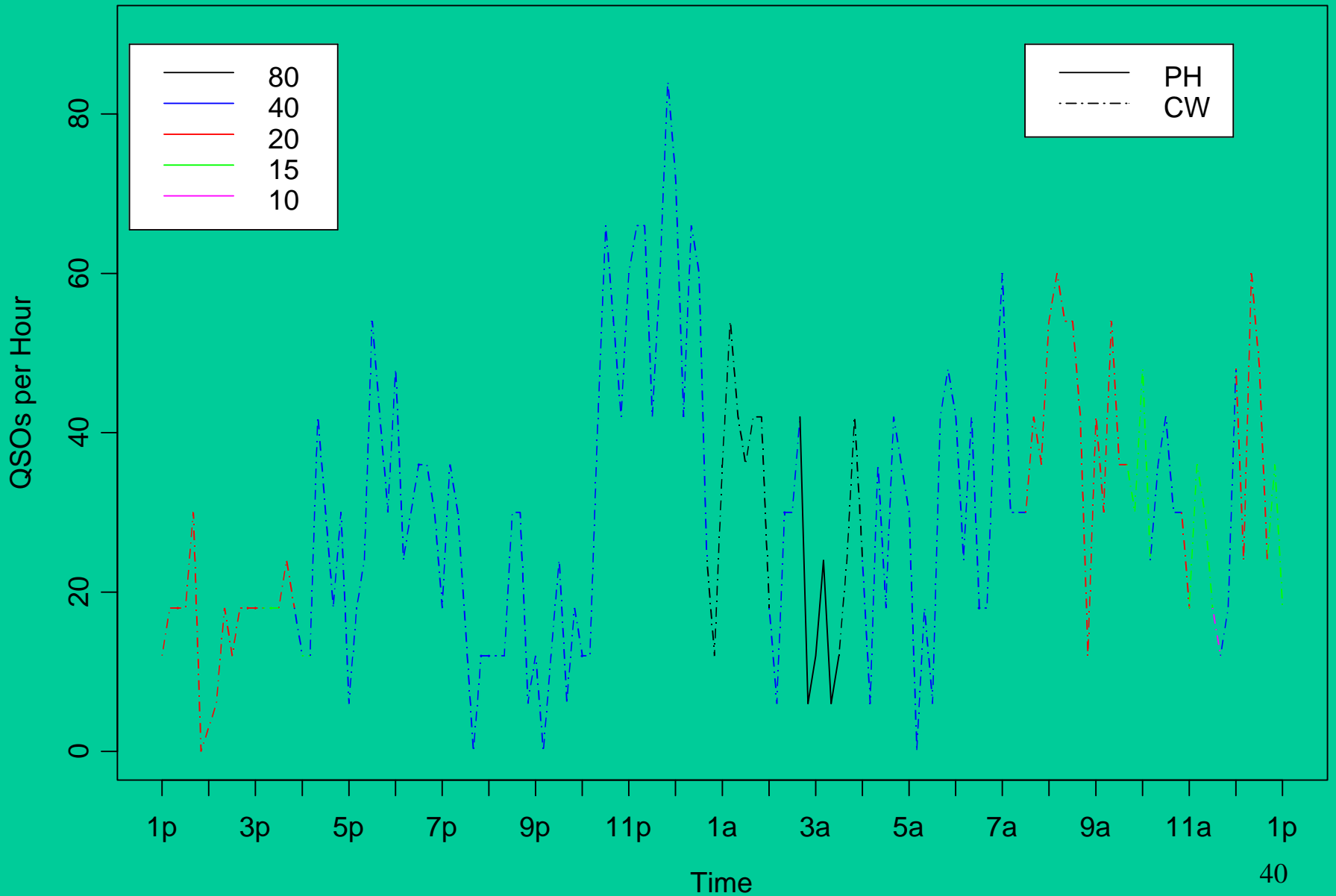
K0KT pulling out a weak one on 20 meters



# QSO Rate per Hour over 10-Minute Intervals East Station



# QSO Rate per Hour over 10-Minute Intervals West Station





# QSO Summary 2008

	CW		Digital		Phone	
	QSO	Power	QSO	Power	QSO	Power
160	0	150	0	150	0	150
80	97	150	0	150	22	150
40	434	150	0	150	99	150
20	155	150	0	150	87	150
15	20	150	0	150	20	150
10	5	150	0	150	0	150
6	0	150	0	150	0	150
<b>GOTA</b>	0	150	0	150	32	150
<b>Totals</b>	<b>732</b>	<b>CW</b>	<b>0</b>	<b>Dig</b>	<b>260</b>	<b>Phone</b>

# Bonus Points 2008

X Emergency power (KC0JUO)	100
X Public location (ND0D, AG3V)	100
X Media Publicity (ND0D)	100
X Public Information Table (ND0D, AG3V, K0KT)	100
X NTS message to ARRL SM/SEC (AC0BG)	100
X W1AW Field Day Message (KN0R)	100
Formal NTS messages handled	
Satellite QSO completed	100
Alternate Power QSO's Completed	
X Site Visited by elected official (ND0D, AD0H)	100
Site Visited by served agency official	
X GOTA QSO bonus (KD0CIH)	40
GOTA maximum QSO's achieved	
X Youth Participation (2) (KC0SVG, KC0CSD)	60
X Web submittal of FD results (K0KT)	50

# Summary FD Points 2008

Total CW QSO's: 732 X 2 = Total CW QSO points: 1464

Total Digital QSO's: 0 X 2 = Total Digital QSO points: 0

Total Phone QSO's: 260 X 1 = Total Phone QSO points: 260

Total QSO points: 1410 x 2 = 3448 for the power multiplier

Power Multiplier 150 Watts or less = 2

Bonus points 830

Claimed Score: 4322

Missed DE and NE for WAS

# 2007 versus 2008

	2006	2007	2008	Diff.
Total QSO Points	2,852	3,204	3,492	288
Bonus Points	640	1,400	830	(570)
<b>TOTAL POINTS</b>	<b>3,492</b>	<b>4,604</b>	<b>4,322</b>	<b>(282)</b>

In 2008 our final score was 6% lower than in 2007, but our QSO points were higher.

# Challenges in 2008

- New location and decisions on antennas
- S9 noise level on 80 meters at the East station

# Special Thanks 1

- AC0BG, AI1P, AG3V, KI0Q for getting wires into the air
- KI0Q for networking our computers
- KC0SVG, AG3V, CARC, for bringing supplying ICOM 746s
- K0KT for bringing filters and computers
- KC0SVG, KC0CSD, ND0D, N0HR, K0KT, and AD0H for serving at GOTA coaches
- AD0H and K0KT, and Doug Wells of the Des Moines Register for photographs

# Special Thanks 2

- AC0BG, WB0FYB, KI0Q, KC0SVG, AD0H, and K0KT for working the late/early shifts (10pm to 7am)
- AC0BG for bringing his solar panels and 12 volt expertise. We were too busy to use them.
- AG3V, AD0H, and ND0D for inviting special officials and securing permissions
- KA0IOR and Frieda for food and drinks
- KC0JUO for bringing and testing the generator and making sure we had a photograph

# Suggestions for Field Day 2008

- Replace the 80-meter flat-top dipoles with inverted-vees
- Make sure that we again have two good antennas for 40 meters, well separated.
- Put up a tribander for 20, 15, 10
- Have one “captain” for each of the four stations (two main stations, GOTA, and VHF). Continue to share antennas with GOTA.
- Continue and expand use of delegated responsibilities for particular bonus point tasks and documentation
- Check coax connectors on all coax runs and replace the bad ones *before* FD.
- Continue to test all antennas *before* FD and during setup. Use antenna analyzers at several stages of setup.
- Run a “free” VHF 6-meter station using a Yagi. Perhaps extend the computer network for this station.



# Suggestions for Field Day 2008

- Continue to operate a CW station continuously. CW works much better with weak FD signals and count twice as much as Phone.
- Implement RTTY, at least on the Phone and GOTA stations. RTTY QSOs count twice as much as Phone contacts
- Better planning for bonus points
- Have a dedicated photographer
- Priority for newly-arriving GOTA visitors
- Recruit more young and long-term GOTA operators (i.e., making 20+ QSOs), perhaps in off hours
- Continue to have one station primarily CW and the other primarily SSB, but keep the flexibility so that a switch can be made (especially if there is a tribander on one side)