

Field Day 2016 Operations Introduction & Station Configurations

Jim Marr, AA6QI June, 2016

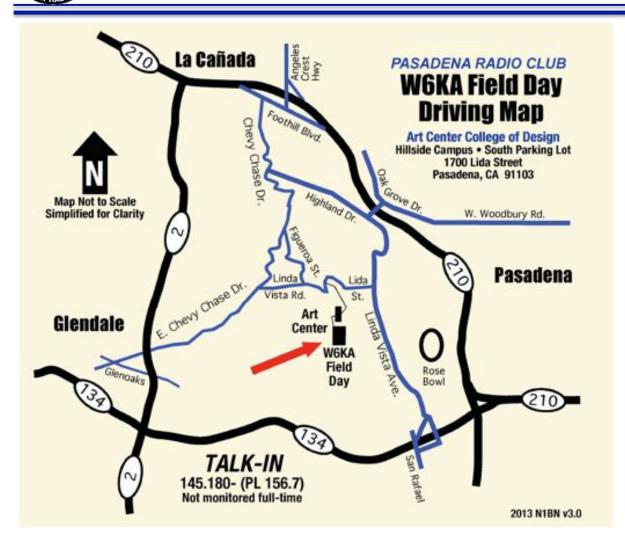


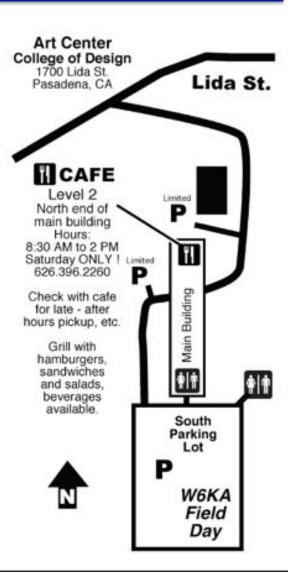
FD2016 Schedule

- Friday, June 24th: Teams pack up gear for transport to FD site the next day.
- Saturday, June 25th:
 - 7 a.m. Setup begins at the Art Center south parking lot to unpack vehicles and commence setup.
 - 11 a.m. Field Day contest operations begin.
 - Lunch, BYO or buy at the Art Center cafeteria.
 - 6 p.m. Pot luck dinner at the FD site. Sign up to bring something!
 - http://www.signupgenius.com/go/30e0f4baba72da64-field1
- Sunday, June 26th:
 - 8 a.m. Pancake breakfast at the FD site.
 - 11 a.m. Field Day contest ends and takedown begins.
 - Lunch, BYO.



PRC FD Site (2016)



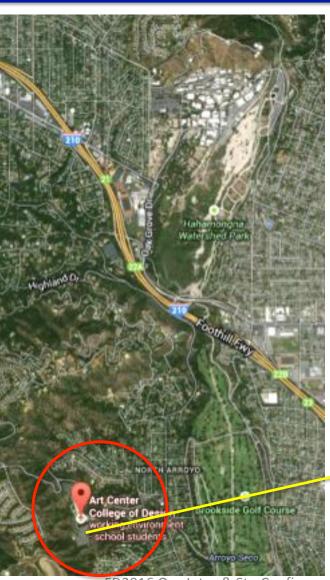


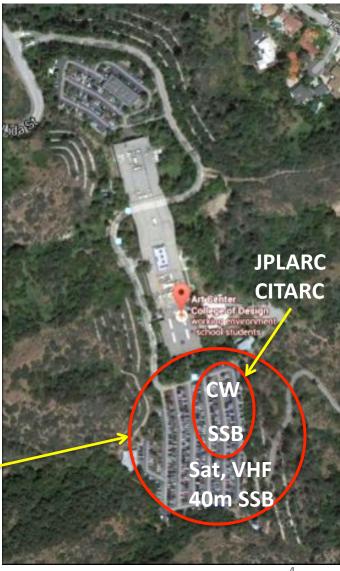


PRC FD Site (2016)

Tom Mikkelsen WAOPOD, PRC Field Day Chair

- FD event in the **Art Center** parking lot.
- 2016 rigs (TBD):
 - 1-CW (JPL/CIT)
 - 2-SSB (JPL/CIT)
 - 1-SSB (PRC)
 - 1-Satellite (PRC)
 - 1-VHF (PRC)
- Meals:
 - Saturday Lunch at the Art Center Cafeteria
 - Pot luck dinner 6pm Sat
 - Pancake breakfast 8am June 2016

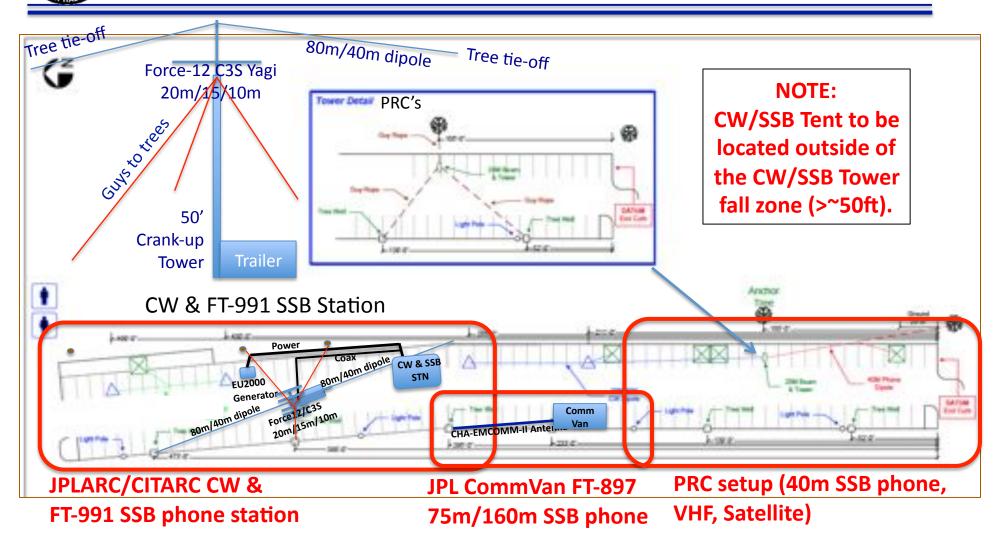




FD2016 Ops Intro & Stn Configs



Field Day 2016 Site Layout





Field Day Exchange

- Stations exchange:
 - Call Sign: W6KA (Whisky Six Kilo Alpha)
 - Operating Class: 4A (Four Alpha)
 - ARRL Section: LAX (Lima Alpha X-ray)
- Operating techniques:
 - Search & Pounce:
 - Tune around to find stations to call
 - Camp & Call
 - Select an open frequency and call CQ Field Day
 - E.g. "Whisky Six Kilo Alpha, Field Day"



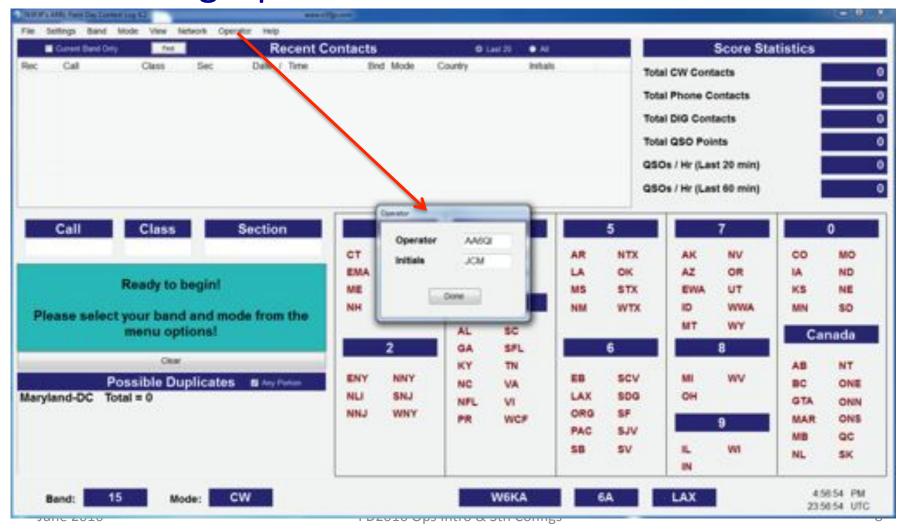
N3FJP FD Logging Software

- Watch the quick-start video (1/2 way down the page) at:
 - http://www.n3fjp.com/fieldday.html
- Key Operating Points:
 - When first starting your operations, enter your
 Call and Initials (see next slide).
 - Enter Call, Class & Section in the field at left center (see slide after next)
 - Look for Duplicates in the lower left corner (see slide after next).
 - Note: PRC is allowing duplicates.



PRC Logging S/W (1 of 2)

Entering Operator Information

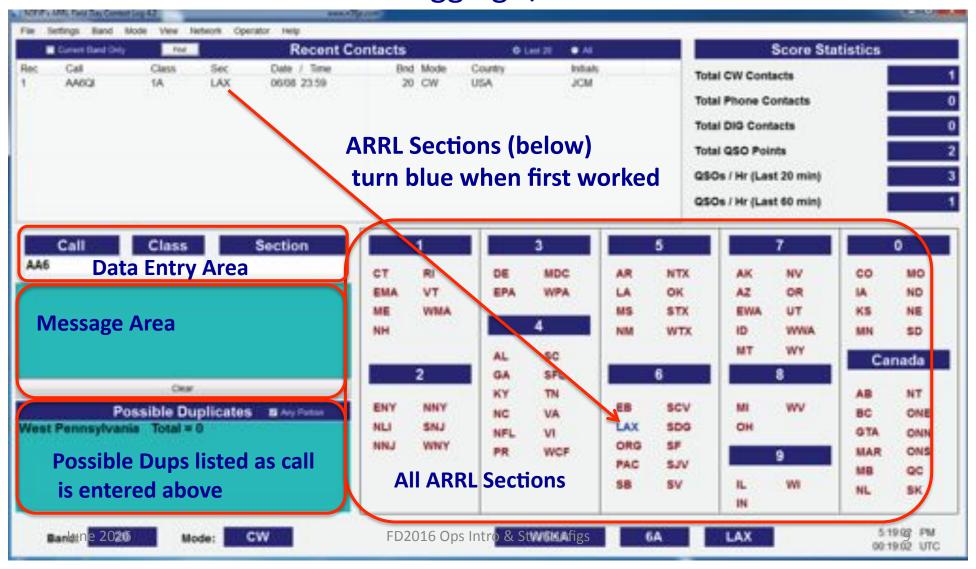




PRC Logging S/W (2 of 2)

See http://www.n3fjp.com

PRC uses N3FJP's FD logging s/w in standalone mode.





CW Station N3FJP Winkeyer Function Keys

(any key stops)	(\$ is CALL f	rom main pag								(ESC exits)	
CQ FD DE			•		\$ SRI DUP						
W6KA (rpts)	\$ 6A LAX	\$ TU QRZ FD	W6KA	\$ TU 6A LAX	FD W6KA	AGN	?	CALL?	CLAS?	SEC?	KEYBOARD
F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
Typical Exchanges:											
Calling CQ: F1; enter responding station in CALL FIELD; F2; receive Class & Section from other station; F3; F4; if no calls, then back to start.											
Call is a DUPE											
Answering CQ: F4 (as often as needed); record other stations call, class & section on main page; F5											
Repeat something: F7 AGN; F8 ?; F9 CALL; F10 CLASS; F11 SECTION; F12 for keyboard entry - ESC to exit.											
Set kever speed	d using WKI	ISB_SMT not									
Set keyer speed using WKUSB_SMT pot. Set speaker frequency to 666 Hz (NOT 800 Hz, which drives me crazy)											
- СССОРОМНО ПО	40.01.07.00.0		, , , , , , , , , , , , ,								
N3FJP KEYBOA	RD Shortcut	ts:									
	: KN			\$	Other stations call from the CALL field on the main page						
	<	AR		[QRZ						
	=	ВТ]	QSL						
	>	SK									
	@	AS									



Signing Up to Operate

- Select and schedule your operating time on this station via the SignUpGenius link distributed separately.
- Station is set up so that one person can conveniently both operate and log (that's why we have the Heil ProSet and foot switch).
- Two signups are provided for each one-hour time slot.
 - It's up to the two operators as to how they want to operate (i.e. one operate while one logs OR take turns operating/logging during that time slot).
 - Just make sure that each operator enters their call and first name into the N3FJP software before beginning their turn at operating.



Station Configurations

FT-1000D – CW (80m/40m/20m/15/10m) FT-991 – 20m/15m SSB phone FT-897 – 75m/10m SSB phone IC-7410 – 40m SSB phone



FT-1000D CW Station Located in CW/SSB Tent

 Need to operate FT-1000D under 150W to stay within PRC's field day category.

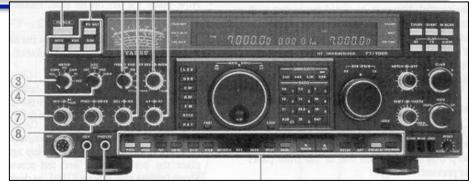
 Need to properly adjust ALC to minimize key clicks (next page)!





FT-1000D CW Station Setting the ALC for CW

Figure 1: Yaesu FT-1000D front panel. Proper adjustment of the Drive (8) and RF-PWR (7) controls are needed for minimum key clicks.



The FT-1000D manual procedure for adjusting these controls for CW operation is as follows:

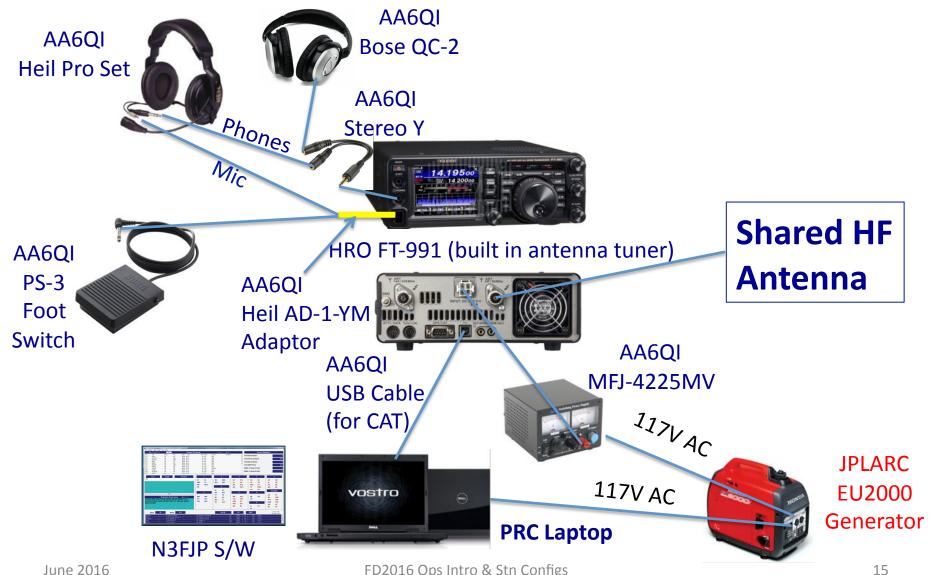
- Set RF-PWR (the outer ring on control 7 in Figure-1) to about 12 o'clock.
- Switch the meter control (knob 3 in Figure-1) to the ALC position and adjust the Drive control (the outer ring on control 8 in Figure-1) to set the ALC to about mid scale (roughly 12 o'clock, right at the top of the blue bar on the meter ALC scale – the bottom scale on the meter).
- Switch the meter control to the PO position and adjust RF-PWR to set the desired power (0 to 200W) and, if the RF-PWR control was changed very much from the 12 o'clock position set above, go back and readjust the Drive to set the ALC back to near the top of the blue ALC band.

The notes with the W8JI mod suggest reducing the DRIVE to soften key clicks. W8JI's advice is: "Anything from ½ scale to full scale [ed.- of the blue band on the ALC] is a normal [ed.- CW] waveform. For lowest clicks, adjust DRIVE until ALC registers 1/4 scale on the blue area of the meter ALC scale. More ALC creates harder waveform, less ALC creates a softer waveform."

Thus, with the W8JI key click mod, adjust DRIVE and RF-PWR as per the manual and then back off the DRIVE to reduce ALC somewhat (even as far as ¼ scale) for minimum key clicks. June 2016



FT-991 (10)/15/20m SSB Station **Located in CW/SSB Tent**





Shared HF Antenna System Requires coordinated band use!

UP to four
HF
Transceivers
on four
Different

bands

FT-1000D CW (all bands) and FT-991 SSB (10/15/20m)

Switchable Band Pass Filter (CITARC) On 80m/40m dipole



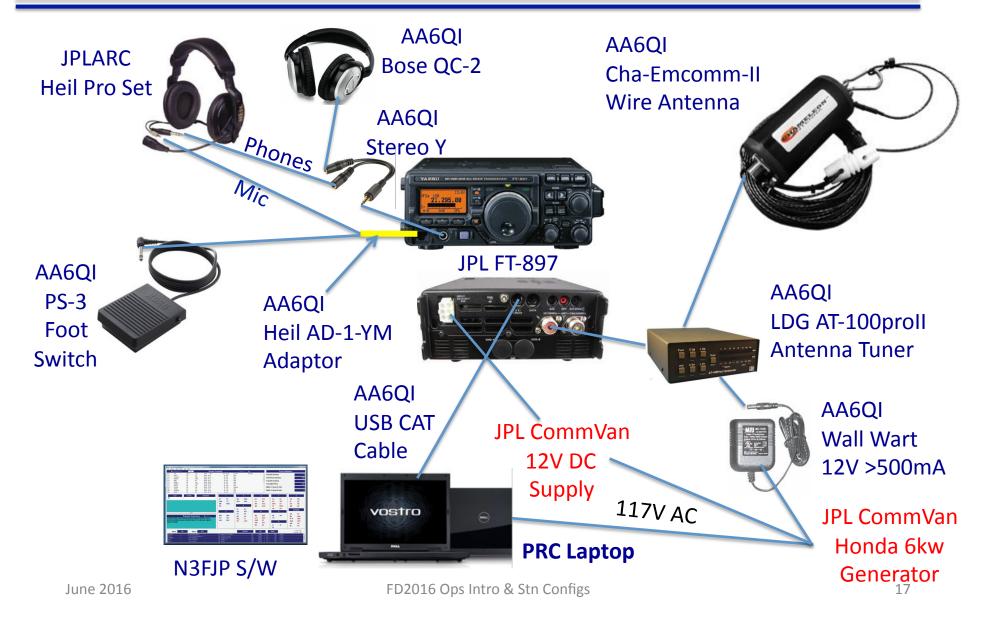
KJ6NO's
Dunestar M333-P
HF Diplexer plus
Bandpass filters



CITARC Force-12 C3S Yagi
Plus
JPLARC 80m/40m Dipole

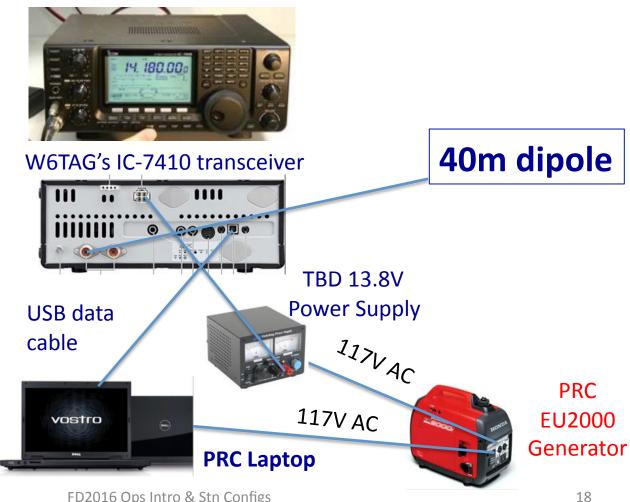


FT-897 (10)/80/160m SSB Station Located in the JPL Comm Van





PRC's IC-7410 40m SSB Station Located at south end of parking lot



N3FJP S/W



WAOPOD's Satellite Station

Other station details TBD



WA0POD FT-847 transceiver







Questions Before Field Day?

Send me (Jim Marr AA6QI) an email at: aa6qi@arrl.net