WINTER FIELD DAY CONTACT SUGGESTIONS: JS8 Alachua County ARES(R) / NFARC

12/7/2023 Revised: Jan 9 2024

NOTE

For JS8 operation you cannot have both JS8 *and* N3FJP trying to control the transmitter. It is important to JUST have JS8 controlling the transmiter with CAT control. If you previously had N3FJP controlling the radio, you will need to turn that function OFF.

In N3FJP, click SETTINGS | Set up Rig Interface and then in the list under "Select Rig", pick NONE and then click DONE at the bottom of the popup dialog box.

FIRST

Enter yourself as the operator into the Logging System -- click "Operator" and enter call and initials:

y Contest Log 6.5			www.n3fjp.com				
l Mode	View Ne	etwork Opera	tor Help				
	Find		Recent (Contacts		•	Last 20 🛛 🔵
(Class	Sec	Date / Time	Bnd	Mode	Country	Initials
1	ID	SF	06/28 17:01	40	DIG	USA	LG
3	3D	NC	06/28 17:00	40	DIG	USA	LG
1	IE	AL	06/28 16:59	40	DIG	USA	LG
1	IE	GA	06/28 16:53	40	DIG	USA	LG
1	ID	TN	06/28 16:47	40	DIG	USA	LG
1	ID	NC	06/28 16:44	40	DIG	USA	LG
1	ID	NFL	06/28 16:40	40	DIG	USA	LG
1	IE	NC	06/28 16:38	40	DIG	USA	LG
1	ID	NC	06/28 16:36	40	DIG	USA	LG
10.00					Operator		
Class Section					Oper: Initial	ator W4UF s JC	
node from the menu! ring waiver rule enabled (from Settings).			CT EMA ME	VT WMA	Done AL	SC	

SECOND

Set your BAND and MODE in N3FJP -- Click on BAND to pick the band, and click on MODE to select DIGITAL All Digital modes are equivalent for points and duplicates. Only PHONE and CW are different modes.

THIRD

Logging to N3FJP Winter Field Day Contest Log for JS8 appears to be largely MANUAL, the same as for PHONE or CW. There is a possible way to connect the two systems, but the only thing it enters automatically (without further typing) is the CALLSIGN. Not sure that is worth it.....

HOW WE SUGGEST YOUR BUTTONS BE CONFIGURED

BUTTON	SENDS:
CQ	CQ WFD
REPLY	3I NFL (our exchange)
INFO	R 3I NFL (reply to their exchange)
STATUS	QSL 73 (You may wish to append CQ FD to this if our experience shows it works

If your setup is already complete, you can move directly to CONTACTS:

RUNNING CQ WITH JS8 USING ONLY THREE BUTTONS!!

No.	Item	Detail
1	Make sure your chosen transmit slot ("red lines") are in a somewhat "clear" area	Otherwise folks won't be able to hear your CQ
2.	Click CQ Button	It may take some seconds before it transmits becauuse it has to wait for the start of the next interval
3	After your CQ, and the next receive interval, if someone calls you, CLICK on the one you wish to reply to then click INFO if they sent their exchange, or REPLY if they only gave their call sign	REPLY: Sends your EXCHANGE INFO: Sends R and your EXCHANGE
4.	Look and see if the other station returns an "R" or "QSL" or some other acknowledgement (this is important!) and hopefully they send THEIR EXCHANGE <i>either than or before</i>	If you don't see an acknowledgement, you need to send your EXCHANGE again click "REPLY" again. You have to see an acknowledgement.
5.	If you copy their exchange, click STATUS button to finish the contact	They have acknowledged YOUR EXCHANGE STATUS acknowledges THEIR ("QSL") and sends 73 Type in the information to N3FJP at some point and lot the contact manually. If there was a lack of acknowledgement on their side, you'll have tosend you
	Go back to Step 2 and call CQagain	

BUTTON	SENDS:
CQ	CQ WFD
REPLY	3I NFL (our exchange)
INFO	R 3I NFL (reply to their exchange)
STATUS	QSL 73 (You may wish to append CQ FD to this if our experience

Winter Field Day: JS8 Contact Suggestions

HUNT & POUNCE WITH JS8 USING ONLY TWO BUTTONS!!

No.	Item	Detail
1	Make sure your chosen transmit slot ("red lines") are in a somewhat "clear" area	Otherwise folks won't be able to hear your ANSWER You do NOT have to be on top of the stattion calling CQ the system decodes and shows you EVERYONE in the passband.
2.	When you see a CQ, click on that station and click REPLY button	It may take some seconds before it transmits becauuse it has to wait for the start of the next interval This will both call them, give your callsign AND send YOUR EXCHANGE
3	Watch what they send back you need an ACKNOWLEDGEMENT ("R" or anything similar) Hopefully they will also send THEIR EXCHANGE otherwise you may have to ask for it.	
4.	If you get their acknowledgement, AND their exchange, the contact is finished! Click STATUS button and start filling in the log!	STATUS will send QSL 73 to confirm receipt of their exchange and conclude the contact. In this case you probably do NOT want a CQ stuck on the end of your "status" button
	Go back to Step 2 and look for another CQ	

BUTTON	SENDS:	
CQ	CQ WFD (NOT USED IN HUNT & POUNCE)	
REPLY	3I NFL (our exchange)	
INFO	R 3I NFL (reply to their exchange)	
STATUS QSL 73		
	During hunt and pounce you probably don"t want any CQ appended here.	

PICKING FREQUENCIES

Suggested Frequencies

JS8Call has the JS8 frequencies built right in, so all you have to do is click on the desired band and it should take your transceiver right there.

MODE	TYPICAL FREQ	Comments
JS8	1.842 MHZ 3.578 7.078 14.078 21.078 28.078 50.318	Remember there is no WFD operation on 60 meters, 30 meters, 18 meters, 12 meters.
PSK31	1.838. 3.580. 7.070 or 7.080 14.070-14.072 21.080 28.120 50.290	see <u>https://www.qsl.net/darn/PSK31.htm</u> see <u>https://bpsk31.com/operation/</u>
RTTY	3.560-3.600 7.080-7.100 14.080.5 - 14.150 21.080.5 - 21.150 28.080.5 - 28.200	See: <u>https://www.aa5au.com/rtty/rtty-sub-</u> <u>bands/</u>

Setting up the Transmitter Our Call Sign is NF4AC

	ICOM S	ETTINGS FOR JS8
ITEM	CHOICE	COMMENT
RADIO File Settings "Radio"	ICOM7300. We will probably have all the settings figured out but in general, we set the rigs for 115200 baud and do not use DTR or DTS as part of the transmission control, using CAT instead.	Image: Social de Kit Image: Social de Kit <td< td=""></td<>
MODULATI ON To get a solid tone, e.g. for adjusting drive modulation at the start of configuation	Use TUNE button on JS8 With the ICOM 7300 Transmiter set for 100 watts, you want the modulation level adjused so that you get in the range of 75 watts output, which should involve little to no ALC visible on the 7300, and thus be WELL within the linear range of the transmitter.	(2) JSGLI de KNACKD (v22.0) - □ × Ete configurations lade (og yew Central Lelp) NF4AC I 10 H2 09:14:55 (+14000ms) I 112:27 - (1310) - NF4AC: INFO NI NFLO I 100 I 112:27 - (1310) - NF4AC: INFO NI NFLO I 100 I 112:27 - (1310) - NF4AC: INFO NI NFLO I 100 I 112:27 - (1310) - NF4AC: INFO NI NFLO I 100 I 112:27 - (1310) - NF4AC: INFO NI NFLO I 100 I 112:237 - (1310) - NF4AC: INFO NI NFLO I 100 I 112:237 - (1310) - NF4AC: INFO NI NFLO I 100 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 112:237 - (1310) - NF4AC: INFO NI NFLO I I00 I 100 I I00

(1) JS8Call de KN4CRD (v2.2.0) X [1] E Configurations Mode Log Yew Control Help
1310 Hz 2023 Dec 07 SPOT LOG TUME
Offset Age SR Message(s) 11:12:37 - (1310) - NF4AC: TNFO R 31 NFL o 11:13:13 - (1310) - NF4AC: TATUS QR.73 0 Calsigns (1) Age SRR Offset ¥ Nam 11:12:36 - (1310) - NF4AC: SALLCALL QQ WFD o Three YOUR OUTGOING MESSAGES HERE. NF4RC 2d +23 dB 1746 Hz
HB CQ REPLY SHR INFO STATUS Saved Directed Deselect Tuning
CAT 700 800 900 1000 1100 60 09:14:30 80m 06 0ffset 0ffset
$ \mathbf{k} \setminus \to \cdot \boldsymbol{\otimes} \cdot \boldsymbol{\wedge} \boldsymbol{\triangleleft} \square \square \square \square \bigcirc \bigcirc \triangle \mathbf{k} \Diamond \cdot \boldsymbol{\otimes} \cdot \boldsymbol{\otimes} \cdot \boldsymbol{\diamond} \cdot \boldsymbol{\bigtriangledown} \cdot \mathbf{P} \cdot \mathbf{H} \cdot \boldsymbol{\triangleleft} \mathbf{H} \mathbf{F} \boldsymbol{A}$

SETTINGS FOR WINTER FIELD DAY OPERATION

SPOTTING File Settings Reporting	It appears to be both legal and useful to turn on "spotting" as this will send information to the PSKReporting network.		
	PSKReporter <u>https://pskreporter.info/pskmap.html</u> is able to show CW, JS8, RTTY, and a host of other modes BY BAND so can can easily find signals!		
	The Incident Commander may be searching for spots proving activity on needed bands!!		
MODE (Normal FAST 24 spm TURBO 44wpm	 Probably use either Normal Fast or TURBO speeds for transmitting. Set to decode ALL speeds you may want to answer someone at the same speed they are SENDING. 		
-	• It works to have an entire OSO with one station sending at one		
	speed and the other station at a different speed as long as both		
	stations have MULTI (MODE Enable simultaneous decoding of all speed) enabled.		
	 Not sure how many WFD participants will undersand this, so you may have to change speed occasionally. 		
	• If you right click on a station in the right hand pane, you can select the option to jump to THEIR speed.		
	Probably want to DISABLE heartbeat acknowledgement (don't		

	was	ste time on that)	
File Settings General	This is cert Field Day, • The sen • The ° ° ° ° The JS8 sc follows: CQ Messa Reply: 3I (Station) In exchange) (Station) S Thus the F	change as we gain experience with Winter o us that: getting exchanges across, not on requesting or oise ratios or Maidenhead grid locators d texts that will be needed include our exchange 'R" to acknowledge an exchange and send our QSL and 73 to indicate we acknowledge and the uded. few "canned" text but we suggest using them as ur exchange) (to reply to someone who has sent us their (to acknowledge and conclude the contact) eneral would look like this:	
	Offset Age S 2763 Hz 45s -2	Station Details My Callsign: NF My Maidenhead Grid Locator: EL Callsign Groups (comma separated): Station Messages CQ Message: Reply Message: Station Info (Rig, Antenna, Location, etc Station Status (Weather, Idle Time, Vers	'4AC SRUP1 GROUP1, Do not participate in the @ALLCALL group CQ WFD 3I NFL :: R 3I NFL :: R 3I NFL :: QSL 73
	C	Q	CQ WFD
	RI	EPLY	3I NFL (our exchange)
	IN	IFO	R 3I NFL (reply to their exchange)
	S	TATUS	QSL 73
			(You may wish to append CQ FD to this if our experience shows it works)



Winter Field Day: JS8 Contact Suggestions

ADDITIONAL CONTEST SAVVY

1	Picking your TRANSMIT spot in the waterfall	You automatically receive and decode EVERTYTHING so there is no need to pick a "receive frequency". You want to pick a TRANSMIT FREQUENCY (red box) that is somewhat in the "clear" Faster modes (TURBO) take up more space. If the spectrum is quite full, you may need to use slower modes (NORMAL) to "fit in"
2	Decoding	Be certain that you are decoding ALL speeds MULTI displayed in the upper right blue bin
3	Transmit Modulation	Be certain that your modulation is about 75watts output, with the ICOM set for 100watts use the TUNE button and the green slider (bottom right) to fix this.
4	If it won't transmit	Probably you havent set the audo codecs, or you don't have the 7300 set to use USB input for modulation
5	Clicking on stations	It doesn't work as easily as WSJT-x which could be set to automatically answer the first station decoded Nope, when you call CQ and a bunch of folks answer, you must CLICK on the one you wish to respond to! And if you get no answers, you must KEEP CLICKING CQ to do it again, because the fastest IT will do it automatically is every 1 minute and that is a long time to wait.
6	Running a Frequency	 This is very easy. 1. Click CQ until you get an answer 2. Click on the person who answered - they may even give you their exchange! 3. Click REPLY to send your Exchange by itself, or INFO to send R (acknowledgement) + Your Exchange 4. While the thing is sending, type everything you need into N3FJP during the down time 5. Click STATUS to send QSL 73 Proceed back to #1
7	Hunt and Pounce	