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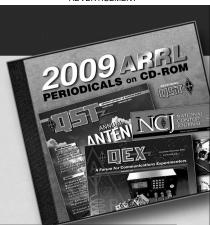
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QST Issue: Dec 2003 Title: The DBJ-1: A VHF-UHF Dual-Band J-Pole (February 2003 QST, pp 38-40)

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COMING CONVENTIONS

December 6-7 West Central Florida Section, Palmetto/Tampa*

January 10 SWOH Digital Symposium, Middletown, OH

January 18 New York/Long Island Section, Oyster Bay February 6-7

Mississippi State, Jackson

February 7-8

Florida State, Miami

*See November QST for details.

Attention Hamfest and Convention Sponsors:

ARRL HQ maintains a date register of scheduled events that may assist you in picking a suitable date for your event. You're encouraged to register your event with HQ as far in advance as your planning permits. Hamfest and convention approval procedures for ARRL sanction are separate and distinct from the date register. Registering dates with ARRL HQ doesn't constitute League sanction, nor does it guarantee there will not be a conflict with another established event in the same area.

We at ARRL HQ are not able to approve dates for sanctioned hamfests and conventions. For hamfests, this must be done by your division director. For conventions, approval must be made by your director and by the executive committee. Application forms can be obtained by writing to or calling the ARRL convention program manager, tel 860-594-0262. **Note:** Sponsors of large gatherings should

Note: Sponsors of large gatherings should check with League HQ for an advisory on possible date conflicts before contracting for meeting space. Dates may be recorded at ARRL HQ for up to two years in advance.



Attention: The deadline for receipt of items for this column is the 1st of the second month preceding publication date. For example, your information must arrive at HQ by December 1 to be listed in the February issue. Hamfest information is accurate as of our deadline; contact sponsor for possible late changes. For those who send in items for Hamfest Calendar and Coming Conventions: Postal regulations prohibit mention in QST of prizes or any kind of games of chance such as raffles or bingo.

(Abbreviations: *Spr* = Sponsor, *TI* = Talk-in frequency, *Adm* = Admission.)

Florida (Boca Raton)—Jan 10. Lew Lehman, K4LEW, k4lew@juno.com.

†Florida (Ft Myers)—Jan 10, 9 AM to 4 PM. Spr: Fort Myers ARC. Araba Shrine Temple, 2010 Hanson St; US 41 N or S to Hanson St, turn E onto Hanson St, Temple is 500 feet on right. Seminars, QSL card checking. TI: 146.88. Adm: \$5. Tables: \$15. Paul Horton, K40VC, 4111 Hidden Acres Circle, N Ft Myers, FL 33903; 239-995-8951; phorton@peganet.com.

†Indiana (Greenfield)—Dec 14; set up Saturday 6-10 PM, Sunday 6-8 AM; public 8 AM to 2 PM. Sprs: Hancock ARC and Greenfield Central Tech Club. Greenfield Central High School (Pavilion Building), 810 N Broadway; 1-70 to Exit 104 (St Rd 9), go S to first stop light past 1-70, turn right (New Rd), turn S on Broadway, go past 4-way stop to school on right. Vendors, VE sessions. TI: 145.33. Adm: advance \$4, door \$5. Tables: 8-ft \$13 (includes 1 admission); additional tables \$10 each. Brad Hewson, KB9VZL, Box 822, Greenfield, IN 46140-0822; 317-326-1659; kb9vzl@msn.com; www.w9atg.org.

[†]ARRL Hamfest

†Michigan (Lowell)—Jan 3, 9 AM to 1 PM. Spr: AR Group of Youth in Lowell. Lowell High School, 11700 Vergennes, located 15 miles E of Grand Rapids; Lowell High School is 2 miles NW of the city of Lowell; take Lincoln Lake Ave for 1½ miles N to Vergennes, then ½ mile W to High School. VE sessions, lots of free parking. *TI*: 145.27 (94.8 Hz). *Adm*: \$5. Tables: \$5. Al Eckman, WW8WW, 11700 Vergennes, Lowell, MI 49331; 616-897-4125; AEckman@lowell.k12.mi.us.

†Wisconsin (Waukesha)—Jan 3, 8 AM to 2 PM. Spr: West Allis RAC. Waukesha County Expo Center, 1000 Northview Rd; I-94 W to Exit 294 (Cty J), S to Cty FT, W to Expo Center. Ham Radio, Computer, and Electronics Swapfest; VE sessions (AMF Waukesha Lanes, across from Expo; bring your original license with photocopy, CSCEs with 2 photocopies, 2 IDs, 1 must be photo ID; QSO party. Adm: advance \$4, door \$5. Tables: advance \$14 per 8-ft, door \$16 (if available); electrical outlet \$16 (advance only). Send business size SASE by Dec 27 to WARAC Swapfest, Box 1072, Milwaukee, WI 53201. Phil Gural, W9NAW, 414-425-3649; janphil@execpc. com; www.warac.org.

Attention All Hamfest Committees!

Get official ARRL sanction for your event and receive special benefits such as donated ARRL publications, handouts, and other support.

It's easy to become sanctioned. Contact the Convention and Hamfest Branch at ARRL Headquarters, 225 Main St, Newington, CT 06111. Or send e-mail to giannone@arrl.org.

Promoting your event is guaranteed to increase attendance. As an approved event sponsor, you are entitled to advertise your event in QST at special rates. Make your hamfest a success by taking advantage of this great opportunity. Call the ARRL Advertising Desk at 860-594-0207, or e-mail ads@ arrl.org.

Gail Iannone

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VHF/UHF CENTURY CLUB AWARDS

Compiled by Eileen Sapko Awards Manager

The ARRL VUCC numbered certificate is awarded to amateurs who submit written confirmation for contacts with the minimum number of Maidenhead grid locators (indicated in italics) for each band listing. The numbers preceding call signs are the assigned award numbers, issued in order of date received. The numbers following the call signs indicate claimed endorsement levels. The totals shown are for credits given from August 9 to October 8, 2003.

Its given from August 9 to October 8, 2003. The VUCC application form, field sheets and complete list of VHF Awards Managers can be found on the VUCC Web site at www.arrl.org/awards/vucc. An SASE to ARRL is required if you cannot download these forms. If you have questions relating to VUCC, send an e-mail to vucc@ arrl.org

org.				
				MHz
100			100	
ABØCT	G8BQX	575	621	AA4ZZ
W1DYJ	JF1IRW	200		175
AC4Q	ZS6WB	600		
EI2JD	KØTLM	625	K5VH	175
K5VH	KUØA	175	222 MHz	
K7AWB	WA1MKE	200	50	
W5WVO	K1LH	575		KMØT
NL7AU		200		70
KØWYN	K1SIX	950		
K4KJZ			432 MHz	
AB4GG	W3EP	925	50	
KC2HLI	K4RWP	625		KU4WW
KT4HN	W5CIA	350	305	NY2Z
KU4WW	AA5C	425	1296 MHz 25	
AD6W	NEØP/5	250		
WA4JA	AC5DK	150		K5VH
N5KI	N6JV	550		
WA4QMQ		400	2.3 GHz	
ZR6DXB	W07GI	150		10
KB3JGS	WX7M	450	70	K5VH
	50 MHz 100 AB0CT W1DYJ K1DYJ K2AQ El2JD K7AWB W5WVO NL7AU K0WYN K4KJZ AB4GG KC2HLI K14HN KU4WW AD6W WA4JA N5KI WA4QMQ ZR6DXB	50 MHz 100 AB0CT G8BQX W1DYJ JF11RW AC4Q ZS6WB El2JD K0TLM K5VH KU0A K7AWB WA1MKE WSWVO K1LH NL7AU K1BD K0WYN K1SIX K4KJZ AB4GG AB4GG W3EP KC2HLI K4RWP KU4WW A5C AD6W NEØP/5 WA4JA AC5DK N5KI N6JV WA4QMQ K6QG ZR6DXB WO7GI	50 MHz 100 AB0CT G8BQX 575 W1DYJ JF11RW 200 AC4Q ZS6WB 600 El2JD K0TLM 625 K5VH KU0A 175 K7AWB WA1MKE 200 K5WVO K1LH 575 NL7AU K1BD 200 K0WYN K1SIX 950 K4KJZ - - AB4GG W3EP 925 KC2HLI K4RWP 625 K14HN W5CIA 350 KU4WW AA5C 425 AD6W NEOP/5 250 WA4JA AC5DK 150 N5KI N6JV 550 WA4QMQ K6QG 400 ZREDXB WO7GI 150	50 MHz 144 100 AB0CT G8BQX 575 621 W1DYJ JFIIRW 200 K1LH AC4Q ZS6WB 600 KU4W AC10 ZS6WB 600 KU4W K1LH AC4Q ZS6WB 600 KU4W K12JD K0TLM 625 K5VH K5VH KU0A 175 222 K7AWB WA1MKE 200 AA5C K0WYN K15IX 950 AA5C K4KJZ AB4GG W3EP 925 KC2HLI K4RWP 625 304 KT4HN W5CIA 350 305 KU4WW AA5C 425 129 AD6W NEØP/5 250 138 WA4JA AC5DK 150 138 WA4QMQ K6QG 400 2.3 ZFRODXB WO7GI 150 -

		22 23	N1JEZ WW8M		05 1 2
		2	24 GHz 5	K5OE	850
45	5 KE7SW	144	N6JV	N1HOO N5AFV	
	5.7 GHz	143	KA10J	XE2AT	625
		142	WB8TGY	130 I	EB4AFK
64	W1AIM	141	K5VH	129	NE0P/5
63	K5VH	140	N7MWV	128	KC2HL
5			5	1	00
3.4 GHz		10 GHz		Satellite	

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giannone@arrl.org

Convention Program Manager

FEEDBACK

 \Diamond In "The DBJ-1: A VHF-UHF Dual-Band J-Pole" (Feb 2003, pp 38-40), the length of the RG-174 matching stub should be shortened a bit to get the antenna closer to a 1:1 SWR. Using the formula for line length versus frequency and wavelength,

 $L = (VF \times 984 \times N) / f$

where

L = length (in feet),

- VF = velocity factor,
- N = number of wavelengths and

f = frequency in MHz \diamond The velocity factor of RG-174 (Belden 8216) is 0.66 (Belden 7805 cable is 0.74) and N = 0.25 for a ¹/₄ wavelength stub. Using the

N = 0.25 for a ¹/₄ wavelength stub. Using the above equation, the matching section becomes 4.33 inches, rather than the 5.25 inches shown. Thanks to Bruce, W3NJ, for pointing it out.

He's using a stub length of 4.5 inches and getting 1:1 with that length. As was pointed out in the article, however, you should use an SWR analyzer or bridge for final tuning.

◊ "The Dangers of Cathode Keying" (Nov 2003, pp 28-30) states that the cathode of the keyed stage floats up to plate potential. Actually, the open-circuit cathode potential will be limited by the grid-cutoff voltage, which in most 1950s-era tube transmitters is about 100 V dc. Thanks to P. Bertini, K1ZJH, for pointing it out. This will, of course, be the opencircuit key voltage. It doesn't change the argument for safety, however. That key-line is a good current source, as the full final plate current passes through the key (and more, if the oscillator is also keyed). It's possible, therefore, to draw 50-100 mA by touching the key contacts with moist skin. The bottom line? Use a keying relay if you can and be careful around the key when you're using a vintage cathodekeyed tube rig.

♦ The Feedback for "The Doctor is IN" (Oct 2003, p 106) should read "...the formula for the LC constant should be used with L in μ H and C in pF (not H and F) in addition to f in MHz." That derivation is straightforward if one accounts for the 10⁻⁶ term for μ H, the 10⁻¹² term for pF and the 10⁶ term for MHz.—*tnx Fred Grant, AA4NG*