



QST



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QST Issue: Nov 1999

Title: A Spectrum Analyzer for the Radio Amateur--Part 2, September 1998 QST, p 40

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Yaesu FT-90R Dual-Band FM Mobile Transceiver (see: "Product Review," September 1999 *QST*). Minimum Bid: \$275.

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successful bidder will be advised by telephone or by mail. Once notified, confirmation from the successful bidder of intent to purchase the item must be made within two weeks. No response within this period will be interpreted as an indication of the winning bidder's refusal to complete the transaction. The next highest bidder will then have the option of purchasing the item. No other notifications will be made, and no information will be given to anyone other than successful bidders regarding final price or identity of the successful bidder. If you include a self-addressed, stamped postcard with your bid and you are not the high bidder on that item, we will return the postcard to you when the unit has been shipped to the successful bidder.

Please send bids to Bob Boucher, Product Review Bids, ARRL, 225 Main St, Newington, CT 06111-1494. **QST**

Feedback

♦ Please refer to Francesco Morgantini, IK3OIL, "A PIC 16F84-Based CW Decoder," *QST*, Aug 1999, pp 37-40. An updated program and related files

(IK3OIL2.ZIP) has been posted at the ARRL's download site. Read the included README.TXT file for an explanation of the contents and use of the .ASM and .HEX files that apply to various LCDs, including the Optrex 16117A. Contact FAR Circuits for PC board or IC replacements (18N640 Field Ct, Dundee, IL 60118-9269; tel 847-836-9148 (voice and fax).

♦ In "Using the MFJ-259 SWR Analyzer to Find a Short Circuit in Coaxial Cable," Technical Correspondence, *QST*, Oct 1999, p 66, the unit of measurement for the Short Location in Equation 1 should be in *feet*, not inches.

♦ Sharp-eyed bit masters detected some "parity errors" in "Test Your Knowledge" in the October 1999 *QST*, page 52. The final three rows of the truth table in answer 3 should show Amp Key as logic zero. The correct answer to question 5 is that PTT B should be set to logic zero, lest the amp be keyed whenever the antennas are ready. The answer for question 7 is actually one-half of 33.3 MHz or 16.67 MHz. Thanks to K5RA, N1XS, and WB6IKJ and others.

♦ Please refer to Wes Hayward, W7ZOI, and Terry White, K7TAU, "A Spectrum Analyzer for the Radio Amateur—Part 2," *QST*, Sep 1998, p 40, Fig 16. The six 2-W input resistors for the 20-dB pad should be 620 Ω units, not 820 Ω as originally specified.—*Wes Hayward, W7ZOI (tnx EA2SN)* **QST**

| W1AW SCHEDULE | | | | | | | | |
|--------------------|--------------------|--------------------|--------------------|---|-----------|-----------|-----------|-----------|
| Pacific | Mtn | Cent | East | Mon | Tue | Wed | Thu | Fri |
| 6 AM | 7 AM | 8 AM | 9 AM | | Fast Code | Slow Code | Fast Code | Slow Code |
| 7 AM-1 PM | 8 AM-2 PM | 9 AM-3 PM | 10 AM-4 PM | Visiting Operator Time (12 PM - 1 PM closed for lunch) | | | | |
| 1 PM | 2 PM | 3 PM | 4 PM | Fast Code | Slow Code | Fast Code | Slow Code | Fast Code |
| 2 PM | 3 PM | 4 PM | 5 PM | Code Bulletin | | | | |
| 3 PM | 4 PM | 5 PM | 6 PM | Teleprinter Bulletin | | | | |
| 4 PM | 5 PM | 6 PM | 7 PM | Slow Code | Fast Code | Slow Code | Fast Code | Slow Code |
| 5 PM | 6 PM | 7 PM | 8 PM | Code Bulletin | | | | |
| 6 PM | 7 PM | 8 PM | 9 PM | Teleprinter Bulletin | | | | |
| 6 ⁴⁵ PM | 7 ⁴⁵ PM | 8 ⁴⁵ PM | 9 ⁴⁵ PM | Voice Bulletin | | | | |
| 7 PM | 8 PM | 9 PM | 10 PM | Fast Code | Slow Code | Fast Code | Slow Code | Fast Code |
| 8 PM | 9 PM | 10 PM | 11 PM | Code Bulletin | | | | |

W1AW's schedule is at the same local time throughout the year. The schedule according to your local time will change if your local time does not have seasonal adjustments that are made at the same time as North American time changes between standard time and daylight time. From the first Sunday in April to the last Sunday in October, UTC = Eastern Time + 4 hours. For the rest of the year, UTC = Eastern Time + 5 hours.

♦ Morse code transmissions:

Frequencies are 1.818, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675 and 147.555 MHz.

Slow Code = practice sent at 5, 7^{1/2}, 10, 13 and 15 wpm.

Fast Code = practice sent at 35, 30, 25, 20, 15, 13 and 10 wpm.

Code practice text is from the pages of *QST*. The source is given at the beginning

of each practice session and alternate speeds within each session. For example, "Text is from July 1992 *QST*, pages 9 and 81," indicates that the plain text is from the article on page 9 and mixed number/letter groups are from page 81. Code bulletins are sent at 18 wpm.

W1AW qualifying runs are sent on the same frequencies as the Morse code transmissions. West Coast qualifying runs are transmitted on approximately 3.590 MHz by W6OWP, with K6YR as an alternate. At the beginning of each code practice session, the schedule for the next qualifying run is presented. Underline one minute of the highest speed you copied, certify that your copy was made without aid, and send it to ARRL for grading. Please include your name, call sign (if any) and complete mailing address. Send a 9x12-inch SASE for a certificate, or a business-size SASE for an endorsement.

♦ Teleprinter transmissions:

Frequencies are 3.625, 7.095, 14.095, 18.1025, 21.095, 28.095 and 147.555 MHz.

Bulletins are sent at 45.45-baud Baudot and 100-baud AMTOR, FEC Mode B. 110-baud ASCII will be sent only as time allows.

On Tuesdays and Fridays at 6:30 PM Eastern Time, Keplerian elements for many amateur satellites are sent on the regular teleprinter frequencies.

♦ Voice transmissions:

Frequencies are 1.855, 3.99, 7.29, 14.29, 18.16, 21.39, 28.59 and 147.555 MHz.

♦ Miscellanea:

On Fridays, UTC, a DX bulletin replaces the regular bulletins.

W1AW is open to visitors from 10 AM until noon and from 1 PM until 3:45 PM on Monday through Friday. FCC licensed amateurs may operate the station during that time. Be sure to bring your current FCC amateur license or a photocopy.

In a communication emergency, monitor W1AW for special bulletins as follows: voice on the hour, teleprinter at 15 minutes past the hour, and CW on the half hour.

Headquarters and W1AW are closed on New Year's Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and the following Friday, and Christmas Day.