

**NATIONAL  
RADIO  
CLUB**

**CONVENTION**

**KNOXVILLE,  
TENNESSEE**

**AUG. 30-SEPT. 2, 1996**



Hello Fellow DXers,

Welcome to Knoxville, Tennessee--where most of us wear shoes and all of us listen to the radio!

You are situated in Yuppie West Knoxville--accessible to a variety of restaurants, malls, theatres--not to go without mentioning the naturals--lakes, mountains, and the Tennessee River. We have our own version of Bourbon Street--the Olde City in downtown Knoxville.

There are so many places to go in this area-- Biltmore Mansion in Asheville, Six Flags and Olympic areas in Atlanta, the Grande Ole Opry and Opriland in Nashville, the horse farms in Kentucky, and the most visited national park, the Great Smoky Mountains!

Please enjoy your stay. I will give directions and suggestions at your request.

73,

Steve Francis





# radio

**(ra de o) n., pl. -os. Abbre. rad.** 1. The use of electromagnetic waves in the approximate frequency range from 10 kilohertz to 300,000 megahertz to transmit or receive electric signals without wires connecting the points of transmission and reception. 2. Communication of audible signals, such as music, encoded in electromagnetic waves so transmitted and received. 3. a. Transmission of programs for the public by this means; radio broadcasting as an industry or medium. b. programs transmitted by radio. 4. a. The equipment used to receive radio signals; a receiver. c. equipment capable of both transmitting and receiving radio signals. 5. A message sent by radio. ~*adj.* 1. of, pertaining to, or sent by radio. 2. of, pertaining to, or designating oscillations of radio frequency. ~*v.* **radioed, -oing, os. -tr.** 1. To transmit a message to, or communicate with, by radio. 2. To broadcast by radio. -*intran.* To transmit a message by radio [Short for RADIOTELEGRAPHY].

NATIONAL RADIO CLUB CONVENTION  
AUGUST 30-SEPTEMBER 2, 1996  
PROGRAM OF ACTIVITIES

FRIDAY

*Meet and Greet*

SATURDAY

*6:00 P. M. - Cash Bar Opens*

*followed by*

*NRC Banquet at Ramada Inn*

*Guest Speaker, Julian Burke*

*Nationally Known Collector of Early Radio and Television Equipment*

*MERRILL-PROOF QUIZ*

*Business Meeting*

*NRC AUCTION*

SUNDAY

*Live Taping of DX Audio Service's*

*"Travellog" and "Historical Moments in Radio"*

*The John D. Bowker Quizzes*

*NRC Speaker (TBA)*

*Check Times and Additions in Hospitality Room*

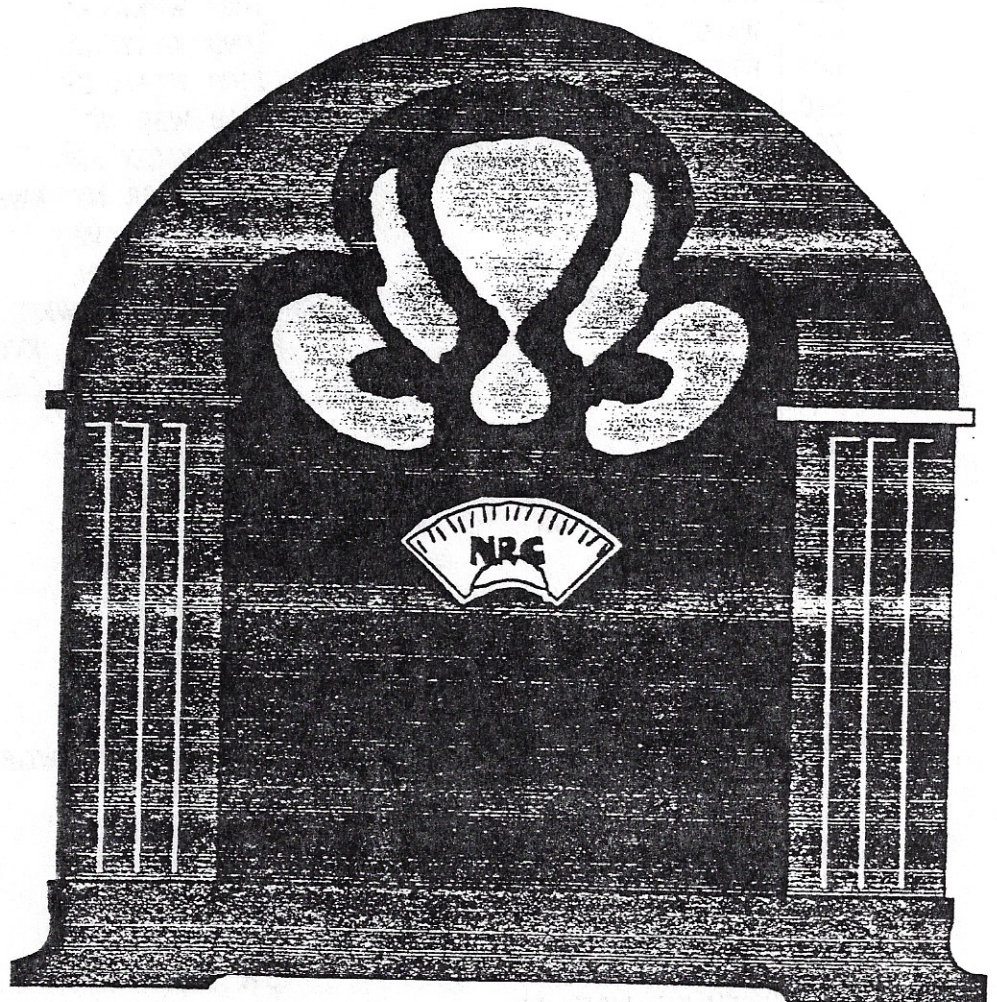


## Daytime Bandscan

550 Gainesville, GA  
570 Asheville, NC  
580 Rockwood  
620 Knoxville  
640 Blountville  
650 Nashville  
670 Farragut  
690 Bristol, VA  
710 Williamsburg, KY  
720 Pisgah, NC  
730 Lenoir City  
800 Sweetwater  
850 Knoxville  
870 Colonial Heights  
900 Knoxville  
930 Sevierville  
940 Wartburg  
960 LaFollette  
970 Canton, NC  
990 Knoxville  
1010 Black Mt., NC  
1040 Powell  
1060 Newport  
1070 Lookout Mt.  
1090 Englewood  
1140 Loudon  
1150 Morristown  
1180 Knoxville  
1250 Madisonville  
1270 Newport  
1290 Oak Ridge  
1300 Morristown  
1340 Knoxville  
1360 Lenoir City  
1380 Clinton  
1390 Athens  
1400 Maryville

1410 Kingston  
1450 Athens  
1470 Alcoa  
1480 Jefferson City  
1490 Knoxville  
1570 Cleveland

*East Tennessee's groundwave conductivity, to put it gently, is undistinguished, so you'll hear little in the daytime beyond 100 miles. Assume all locations are in Tennessee, unless otherwise indicated.*





# NIGHTTIME BAND SCAN

- |     |                               |      |                    |      |          |
|-----|-------------------------------|------|--------------------|------|----------|
| 530 | Turks & Caicos Is.<br>CIAO ON | 950  | WSPA SC            | 1400 | WGAP TN  |
| 540 | XEWA SLP                      | 960  | WERC AL KZIM MO    | 1410 | WING OH  |
| 550 | KTSA TX WCKY OH               | 970  | WAVG KY            | 1420 | WVJS KY  |
| 560 | WJLS WV WHBQ TN               | 980  | WXBQ TN            | 1430 | WMYS IN  |
| 570 | WWNC NC                       | 990  | WIVK TN            | 1440 | WHHY AL  |
| 580 | WCHS WV                       | 1000 | WMVP IL XEOY DF    | 1450 | WXVW IN  |
| 590 | Cuba                          | 1010 | WINS NY CFRB ON    | 1460 | WBNS OH  |
| 600 | Cuba WREC TN                  | 1020 | KDKA PA            | 1470 | WMBD IL  |
| 610 | WZZK AL                       |      | Turks & Caicos Is. | 1480 | WABB AL  |
| 620 | WRJZ TN                       | 1030 | WBZ MA             | 1490 | WITA TN  |
| 630 | WMAL DC                       | 1040 | WHO IA             | 1500 | WTOP DC  |
| 640 | Cuba WGST GA                  | 1050 | CHUM ON            | 1510 | WLAC TN  |
| 650 | WSM TN                        | 1060 | KYW PA             | 1520 | WWKB NY  |
| 660 | WFAN NY                       | 1070 | WIBC IN            | 1530 | WSAI OH  |
| 670 | WMAQ IL                       | 1080 | WHKW KY            | 1540 | CHIN ON  |
| 680 | WPTF NC                       | 1090 | KAAY AR            | 1550 | WBSC SC  |
| 690 | CBF PQ                        | 1100 | WTAM OH            | 1560 | WPAD KY  |
| 700 | WLW OH                        | 1110 | WBT NC             |      | WQEW NY  |
| 710 | Cuba WOR NY                   | 1120 | KMOX MO            | 1570 | XERF COA |
| 720 | WGN IL                        | 1130 | WBBR NY KWKH LA    | 1580 | WPGC MD  |
| 730 | WLIL TN XEX DF                | 1140 | WRVA VA            | 1590 | WAKR OH  |
| 740 | KRMG OK CBL ON                | 1150 | CKOC ON            | 1600 | WEUP AL  |
| 750 | WSB GA                        | 1160 | WJJD IL WKJT NC    | 1660 | WJDM NJ  |
| 760 | WJR MI                        | 1170 | WWVA WA KVOO OK    |      |          |
| 770 | WABC NY                       | 1180 | WHAM NY Cubans     |      |          |
| 780 | WBBM IL                       | 1190 | WOWO IN            |      |          |
| 790 | WAXY FL                       | 1200 | WOAI TX            |      |          |
| 800 | CKLW ON PJB NA                | 1210 | WOGI PA            |      |          |
| 810 | WGY NY                        | 1220 | WKNR OH            |      |          |
| 820 | WBAP TX                       | 1230 | WNNC NC            |      |          |
| 830 | WCCO MN                       | 1240 | WIMZ TN            |      |          |
| 840 | WHAS KY                       | 1250 | WTAE PA            |      |          |
| 850 | WYDE AL                       | 1260 | WIBV IL            |      |          |
| 860 | CJBC ON                       | 1270 | WKBF IN            |      |          |
| 870 | WWL LA                        | 1280 | WADO NY WGBF IN    |      |          |
| 880 | WCBS NY                       | 1290 | WHIO OH            |      |          |
| 890 | WLS IL                        | 1300 | WNQM TN            |      |          |
| 900 | WKXV TN                       | 1310 | WDOD TN            |      |          |
| 910 | WALT MS                       | 1320 | WJAS PA            |      |          |
| 920 | WAFS GA                       | 1330 | WFBC SC            |      |          |
| 930 | WSEV TN WRVC WV               | 1340 | WKGX TN            |      |          |
| 940 | CBM PQ WMLX IL                | 1350 | WTOU OH            |      |          |
|     |                               | 1360 | WAOZ OH            |      |          |
|     |                               | 1370 | WSPD OH            |      |          |
|     |                               | 1380 | WYSH TN            |      |          |
|     |                               | 1390 | WXTC SC            |      |          |

# ACKNOWLEDGEMENTS AND THANKS

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Metro Publications*

*All the NRCers who have contributed so much  
particularly Ernie Wesolowski, John D. Bowker, and Mike Sanburn*

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**KNOXVILLE,  
TENNESSEE  
AUGUST 30  
SEPTEMBER 2, 1996**



N A M E \_\_\_\_\_

**NATIONAL RADIO CLUB  
1996 QUIZ**

1. The United States Standard Radio frequency band includes:  
 540 - 1610 kHz       535 - 1705 kHz       530 - 1810 kHz
2. Stations moving to the new "expanded band" will all operate with:  
 Directional antennas with 10,000 Watts day and night  
 Directional north-south antennas; 10,000 Watts days, 1,000 Watts nights  
 Non-directional antennas with 10,000 Watts days, and 1,000 Watts nights  
 Non-directional antennas with 5,000 Watts days, and 1,000 Watts nights
3. Stations assigned to the expanded band can operate on both the new channel and the old channel for 5 years, provided they do not simulcast programs more than 3 hours a day.  True     False
4. It is now legal for a station to transmit an unassigned set of call letters as part of its slogan.  True     False
5. Which of the following is *NOT* a frequency allocated to Knoxville, Tennessee?  
 620     670     760     850     900     990     1180     1240     1340  
 1490     1580
6. Which Knoxville frequency did I skip in question 4? \_\_\_\_\_
7. How many a.m. radio stations in Tennessee:  
 90-100     140-150     190-200
8. What are the lowest and the highest a.m. frequencies on which there is NO Tennessee station?  
Lowest: \_\_\_\_\_ kHz      Highest: \_\_\_\_\_ kHz
9. WSM at 650 kHz is a full-time, clear-channel station operating with a non-directional antenna system. Where is the U.S. station nearest to Nashville operating at 650 kHz that is allowed night-time operation?  
\_\_\_\_\_.
10. There is one (and only one) "Market" in Tennessee served by the same number of a.m. and f.m. radio stations (22 of each).\* What is the main city in that market? \_\_\_\_\_

\* In general, a station is included in a "market" if it is licensed to a city in that market, or if the market is a primary focus of its marketing activities.



1996 NRC Radio Station Quiz -- Page 2

11. How many states have radio stations operating at 540 kHz?  
5-10   10-15   15-20   20-25

12. The following all deals with 570 kHz. List a station with each of the following letters in its call sign:

**Example: If I had said 580 kHz, you might have written WTAG for A, WIBW or WTSB for B, etc.**

A. _____	B. _____	C. _____	D. _____
E. _____	F. _____	G. _____	H. _____
I. _____	L. _____	M. _____	N. _____
O. _____	Q. _____	R. _____	S. _____
T. _____	V. _____	X. _____	Z. _____

**That's the end of this year's test.**

If you are interested in making up the 1997 test, please get in touch with the host of next year's NRC Convention by the end of January, 1997.

This is the... 1996 VOLUNTEER STATE, SUPER-DUPER, ULTRA-WEIRD, MAGGIN-NOSHING, SATURDAY NIGHT MERRILL-PROOF\* DX QUIZ!! Unless specified or implied otherwise, all stations are CURRENTLY-OPERATING BCB (530-1700 kHz) stations, shown as operating (not silent), with the stated parameters (wattage, frequency, city of license, etc.), by referring to the following:

U.S., CANADA: NRC Log, 16th Edition ("1996"), or recent monitoring reports (loggings).

FOREIGN: Actual monitoring reports (loggings) in IDXD or elsewhere, since 1995 Convention.

\*\* ITEMS: All exceptions to the above sources, which includes "historical" questions, are \*\*.

TOTAL POINTS: 100 POSSIBLE, PLUS 5-POINT BONUS QUESTION. Of course, this KWIZ will be under some sort of time limit - so hop to it, dude!

**THERE ARE NO "TIS" STATIONS ON THIS KWYZ.**

YOUR NAME \_\_\_\_\_

Part I: "Number and city, please." I will give you the call letters. ONE POINT EACH for giving the frequency and city for each. WRITE them down.

- | freq.  | City & State | freq.                       | City & State |
|--|--------------|-----------------------------|--------------|
| 1. KWIZ _____  | _____        | 2. KWYZ _____               | _____        |
| 3. WPEN _____  | _____        | 4. WORD _____               | _____        |
| 5. WRIT _____  | _____        | 6. WASK _____               | _____        |
| 7. "KTRK" (1996, temporary mobile station, not Mobil station - hi!)<br>↳ _____ | _____        | 8. KALL _____               | _____        |
| 9. WLOG _____  | _____        | **10. WLUP (1987 to 1993) ↘ | _____        |

**TOTAL POSSIBLE: 20 POINTS.**

Part II: "The radio menagerie!" Fill in the call letters for the facilities indicated. One point each. Anybody wanna guess ~~which~~ which animal is really the coolest pet?

- |  |  |
|--|--|
| 11. 700 in Orange-Athol, MA _____                            | 12. 920 in Granite City, IL _____                                      |
| 13. 1400 in Marion, IN _____                                 | 14. 1270 in Medicine Hat, Alta. _____<br>(NOTE: #14 is a French word.) |
| 15. 1120 in Hobson City, AL _____                            | 16. 710 in Asheboro, North Carolina _____                              |
| 17. 1420 in Chehalis, WA _____                               | 18. 920 in West Lafayette, IN _____                                    |
| 19 and 20. 640 in Terre Haute IN, AND 590 in Omaha NE. _____ |  |

**TOTAL POSSIBLE: 10 POINTS.**

Part III: "Number, please!" List as many different BCB frequencies as possible (standard stations only, no TIS, etc.), which are licensed PRECISELY TO these cities (no suburbs, etc.):

21. Murfreesboro, TN \_\_\_\_\_
22. Mason City, IA \_\_\_\_\_
23. Roseburg, OR \_\_\_\_\_
24. Russell, KS (which, of course, is the hometown of Bob Dole) \_\_\_\_\_
25. Yorkton, SK (Sask.) \_\_\_\_\_

**TOTAL POSSIBLE: 10 POINTS.**

\* - "MERRILL-PROOF?" Yes. Because this KWIZ was made up by Frank Merrill, he cannot compete it. But--WAIT--there's even MORE good news! Steve Francis, another traditional high-scorer, is also not eligible because he's overseeing this test, hi! Does Paul Mount win?



Part IV: "The world at your fingertips!" There are some countries which are mostly known for one station that tends to get out, at least well enough to sometimes be heard by some coastal TA or TP DX'ers. Match the countries with the frequency list.

TWO HINTS: (1) For JAPAN, it's the frequency that is left after filling the others in.  
 (2) To help you find JAPAN, cross frequencies off as you use them elsewhere

26. Saudi Arabia \_\_\_\_\_ 27. Luxembourg \_\_\_\_\_  
 28. Tahiti \_\_\_\_\_ 29. Norway \_\_\_\_\_  
 30. Tonga \_\_\_\_\_ 31. Algeria \_\_\_\_\_  
 32. Thailand \_\_\_\_\_ 33. Sao Tome \_\_\_\_\_  
 34. Kiribati \_\_\_\_\_ 35. Japan \_\_\_\_\_

FREQUENCY LIST:		
693	738	846
891	1017	1314
1440	1521	
1530	1575	

5 TA's, 5 TP's!

TOTAL POSSIBLE: 10 POINTS (1 each)

Part V: "STATE the STATE (or province)." There is only one state which fits each of these specified situations. Some of these may be hard, so the answers are TWO POINTS EACH.

36. Two of the 50,000-watters in this state are on 750 and 1120. \_\_\_\_\_  
 37. This state has no BCB station operating above 1450 kHz! \_\_\_\_\_  
 38. In late 1995, an expanded-band station appeared, which allowed many people in the Central and Western U.S. to finally log this very rare state. \_\_\_\_\_  
 \*\*39. Though there were very few operating 1030's at the time, this state had TWO stations on that frequency, as recently as the early 1960's! \_\_\_\_\_  
 \*\*40. This CANADIAN province used to have two 1570's, now both are gone! \_\_\_\_\_

Part VI: "...And the DX just keeps on coming!"  
 Fill-in-the-blanks, ONE POINT EACH.

TOTAL POSSIBLE: 10 POINTS

41. This past season CJDC, whose pattern has apparently been "out of whack," was an astonishingly easy catch in some parts of the U.S., despite being on the same frequency as a Chicago "UI" Clear.  
 Frequency \_\_\_\_\_ City \_\_\_\_\_  
 42. Powerful Mexican on 900. Calls \_\_\_\_\_ City \_\_\_\_\_  
 43. Country represented by the strong EE Christian station on 1020, from the Caribbean.  
 \_\_\_\_\_  
 44. Name ANY THREE states or Canadian provinces, with 50,000-watt stations on 1070. (CAUTIC One such station is SILENT per the NRC Log, and that particular answer will be wrong.)  
 \_\_\_\_\_ (NO, NOT CHOK-Ont., they just SEEM like 50KV)  
 45. Name the two ARKANSAS towns with stations on 1320. \_\_\_\_\_ & \_\_\_\_\_

TOTAL POSSIBLE: 10 POINTS.



Part VII: "DX Tests during the 1995-6 DX Season." Fill in the blanks, ONE POINT EACH.

46. During the weekend of March 23 to 25, it was possible (assuming a good location, and good conditions) to log as many as TEN DX tests from this state! \_\_\_\_\_
47. This distant station on 690 has been running a special DX test on the first Sunday or every month. (HINT: NOT U.S. or Canada!) (call letters): \_\_\_\_\_
48. The April 1 Test of WTBO-1110, located in this STATE, did not get out very well because it started at their designated April SUNRISE. \_\_\_\_\_
49. WOWO's talk show received some unusual telephone calls about Morse Code interference, etc., during the November Test from this station located in Cobleskill, New York. What ~~were~~ are their call letters? \_\_\_\_\_
50. WIXN-1460, located in this city and state, was widely heard on Dec. 4. \_\_\_\_\_
51. This Alaskan, which Tested on February 4, was heard in Alabama. It is possible that other DX'ers (which may include me - rats!!) would have also heard it IF the Test had started on time instead of ½ hour late. (calls): \_\_\_\_\_
52. Referring to #51 above, what frequency is this station on? \_\_\_\_\_
53. 770's Tests this season included stations in 3 states. Name one of the states. \_\_\_\_\_
54. Referring to #53 above, can you name another state that Tested on 770? \_\_\_\_\_
55. A station in Greenville, North Carolina had **\*\*TWO\*\*** scheduled TESTS tipped out by blizzards. This bears testimony to just how severe a winter it was for the Eastern U.S., because snowfall is fairly rare in Greenville. I am not sure whether their **THIRD** test finally ran (I assume it did). What is the FREQUENCY? \_\_\_\_\_

TOTAL POSSIBLE: 10 POINTS.

Part VIII: "Miscellaneous." POINT VALUES ARE AS STATED.

56. (5 POINTS). If you were in a particular city (AHA! This eliminates any "trick" answers like "KNOXVILLE" - hi!), and your locals were licensed to 810/950/1070/1310/1500 (and two other frequencies; SUBURBS NOT INCLUDED), where would you be? \_\_\_\_\_
57. (5 POINTS). The return of an old "chestnut" here. This has always been my favorite trivia question, though the answer did change some years ago. Where, in the U.S., is the westernmost station on 1440 which uses 5,000 watts at night?  
CITY (4 points): \_\_\_\_\_ STATE (1 point): \_\_\_\_\_
- \*\*58. (5 POINTS). If you've persevered this long, here's five "gimme" points for you. Your Kenwood R-1000 just fell **over Niagara Falls ("Slowly I Turn...")**, so you **no** longer hear TA's on it. In fact, you can't even hear Rush on it.  
- WHO ARE YOU? \_\_\_\_\_
- \*\*59. (3 POINTS). On what split frequency did the Netherland Antilles station, with the very unusual name "RADIO KELKBOOM," operate until the 1960's?  
**THE AUTHOR ASKS IF ANYBODY KNOWS WHAT THE NAME MEANS.**
60. (2 POINTS). During the Fall 1995 Newfoundland DX-pedition, **\*\*INDIA\*\*** was positively logged on this frequency at the upper end of the dial \_\_\_\_\_

TOTAL POSSIBLE: 20 POINTS.

**\*\*BONUS QUESTION (5 POINTS):** Now I give you the nasty task of naming the U.S. County & State which has stations currently operating on BOTH 1590 and 1600 kHz!!