



The National Radio Club Convention
Windsor Locks, Connecticut
August 1975

W E L C O M E -- W E L C O M E -- W E L C O M E -- W E L C O M E

The Connecticut Convention Committee welcomes you to the National Radio Club's 1975 Annual Convention. It is our honor to host the gala event here in the "Constitution" state. You are now at the Ramada Inn, Windsor Locks, Connecticut, at the junction of Routes #75 & 20. Oddly, these are the same routes as last years convention in Toledo (Perrysburg) Ohio. You are in the heart of Connecticut's Tobacco Valley and the white nets you see near the motel contain shade grown tobacco which is used for cigar wrappers. We do hope you have a good time here at the NRC Convention and hope your visit to Connecticut will be both informative and enjoyable. With that in mind, this booklet has been prepared to provide you with convention details plus some interesting sidelights of both broadcasting here in Connecticut and Connecticut in general.

Frank Dailey

RON MUSCO

THE 1975 NRC CONVENTION COMMITTEE
Co-Chairman

SCHEDULE OF EVENTS

All events are tentative due to necessity of having this schedule available. Hopefully everything will occur as planned ! Hi!

Friday -- August 15th.

Arrivals and informal gatherings in the meeting room.
Room accommodations, collection of fees, etc.
Introduction to the Windsor Locks area. Sheets detailing local establishments for food and refreshments. Note: Connecticut State Law requires all Liquor/Package Stores to close every night at 8:00 P.M. Not open Sundays. Also Liquor/Beer cannot be "taken out" of bars, clubs etc. So if you are inclined to have a drink, make sure you stock your supplies before 8PM as this is one of Connecticut's most strictly enforced laws.

Friday night will feature a QSL showing, slides of local stations and a continuation of the meeting and greeting of old friends and making our new acquaintances welcome.

SATURDAY--August 16th.

- noon to 3:00 P.M. "A.R.R.L. Visit" This will be a real treat. be sure to attend! In case you don't know, ARRL stands for American Radio Relay League. It is the headquarters for American Amateur Radio. They have a radio museum and W1AW their official stations which works all amateur bands. If you are a ham, bring your ticket, and perhaps you can "work" the station. Bus transportation IS AVAILABLE. Assembly point to be announced. Expected departure time is noon!
- 3:00 to 6:00 P.M. "Tech Sessions" Some very interesting and knowledgeable club members will be holding tech sessions on DX and DX related topics. It just might help you "NAIL" that elusive station you've been after.
- 7:00 - ? Banquet (Coat & Tie suggested - No Shorts!)
Guest Speaker: Mr Harold Dorschug, C.E. WTIC.
Business Meeting
DX Quiz/DX Crossword
Annual Auction
Informal Time: Chit Chat, Discussions etc, or sleep.

SUNDAY -- August 17th"

morning hours free for sleep, church, food or whatever.

noon: Gather in meeting room for get together, chit chat announcement of events etc.

(CONTINUED)

1:00 - 4:00 PM Tech sessions, Rap Sessions continue.
 4:00 - 5:30 ?PM Big Soft Ball Game !!!!!
 5:30 - 8:00 PM Break for Chow.
 8:00 - 11:00PM Meeting Room will be available for whatever.
 11:00PM..... Gather in meeting room for final arrangements
 and directions for DXpedition to Warehouse Point.
 11:45PM..... Expected departure time for DXpedition
 Site will feature a beverage antenna and an HQ rcvr.
 Will DX until DX becomes impossible (perish the
 thought !) or about 3:00 AM or longer.

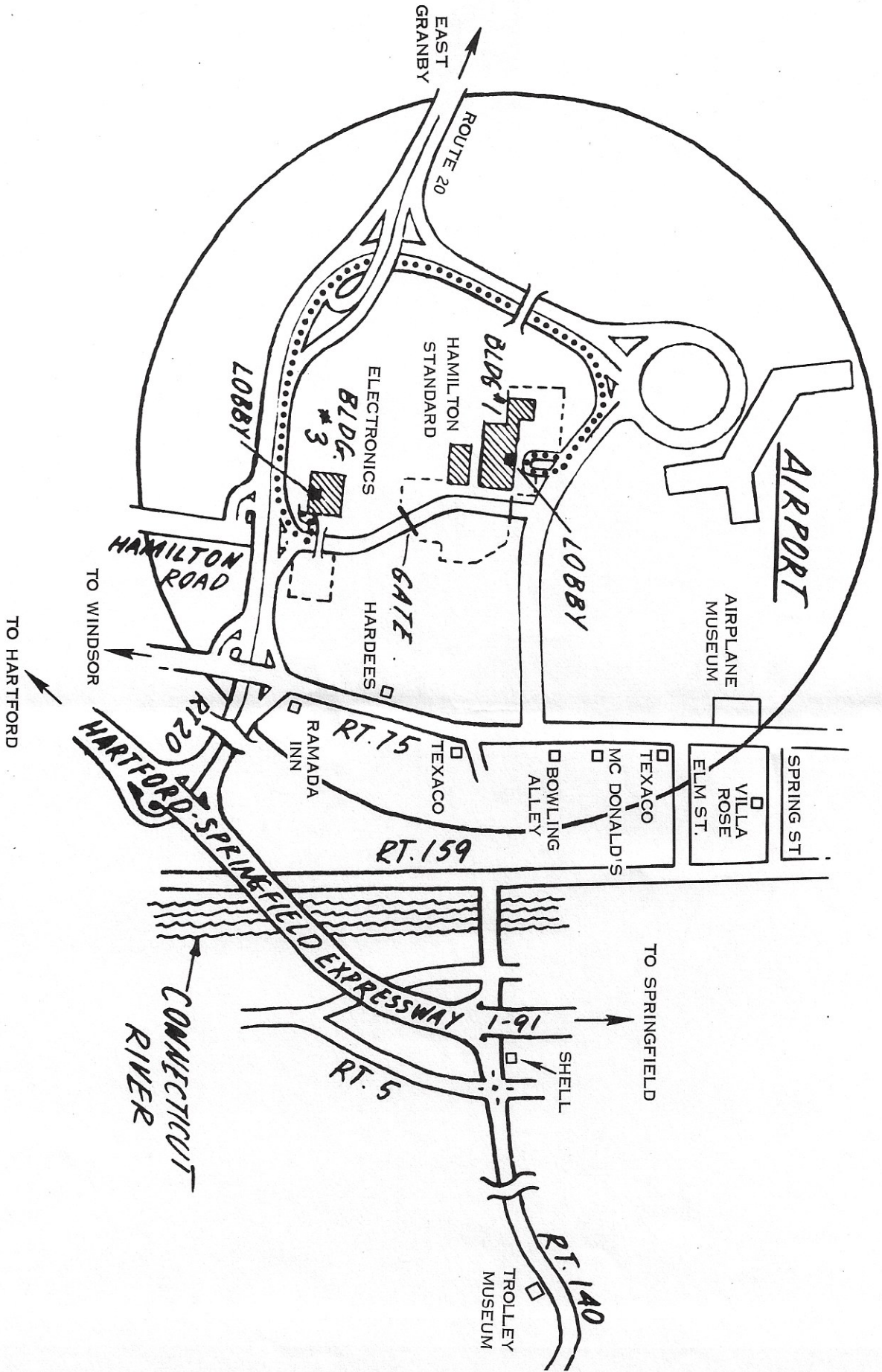
.....
 THAT'S ABOUT IT ON THE SCHEDULE-REMEMBER, ATTEND THE EVENTS FOR FUN

PREVIOUS CONVENTIONS & ATTENDANCE

1974....Toledo, Ohio..... 56
 1973....Boston, Massachusetts..... 60
 1972....Miami,(Coral Gables) Fla.. 38
 1971....West Sacramento, Cal..... 48
 1970....Hasbrouck Hgts, New Jersey 72
 1969....St Louis, Missouri..... 54
 1968....Boston, Massachusetts..... 66
 1967....Eugene, Oregon
 1966....Montreal, Quebec
 1965....Cedar Rapids, Iowa
 1964....Buffalo, New York

Hopefully, we will break the record set by 1970 N.J. Convention !

At this point, we of the convention committee would like to express our appreciation to you the members of the National Radio Club for making this convention(whatever) successful. Thanks for the support, the auction items, the technical speakers, the guest speaker, etc., and most of all your attendance. In the coming year, we wish you the best of DX and remember to support your club, because a club is only as good as it members! Arrange those DX tests! Support IDX and DDXD and Musings and we'll have another good year. 73's (FD & RM)



A Brief History of Connecticut

Connecticut, known as the "Constitution State" and the "Nutmeg State" is rather small in size and measures only 95 miles east-west and 60 miles north-south. The name Connecticut probably comes from the indian "Quinatucquet" meaning "upon a long river". The term Nutmeg State stems from the legend that wooden nutmegs were sold by resourceful Connecticut Yankee Peddlers. The "Constitution State" results from the fact that Connecticut had the first written constitution of any state--The Fundamental Orders of Connecticut--which were adopted in 1639. Its motto is "Qui Transtulit Sustinet" means "he who transplanted continues to sustain". Our current Governor is Mrs. Ella Grasso, the first truly elected woman governor, and she resides here in Convention City - - Windsor Locks.

Despite its size, Connecticut is truly a giant when it comes to manufacturing and commerce. Fine harbors were an early stimulus to a coastwide commerce. The inventive genius of Connecticut citizens contributed greatly to the development of American Industry. Charles Goodyear of New Haven discovered the process for vulcanizing rubber, John Fitch of Windsor was the first to apply steam power for navigation. Elias Howe undertook the first large scale production of sewing machines in Bridgeport, Danbury for many years was called the Hat Center of the World, Hartford has been called the Insurance City, and Groton is the Submarine Capital of the World. With many large manufacturing firms like Colt Industries, Dow Chemical, Pfizer Chemicals, Pratt & Whitney, Yale Industries, etc., Connecticut has kept its head above water during the recent economic crunch.

Broadcast wise, Connecticut has one of the highest signal density's in the nation--38 AM stations in the state are a challenge in themselves. FMers have 41 Connecticut targets to shoot for and TV freaks have 9 Connecticut stations. Add to this the many signals from nearby states of New York, Massachusetts and Rhode Island and DXing can become a real challenge due to all these signals. A complete breakdown of our local AM/FM/TV spectrum appears elsewhere in this booklet. Additionally be sure to visit the QSL displays of all Connecticut and Rhode Island stations while here at the Convention.

DX CROSSWORD PUZZLE.

Answers passed out later.

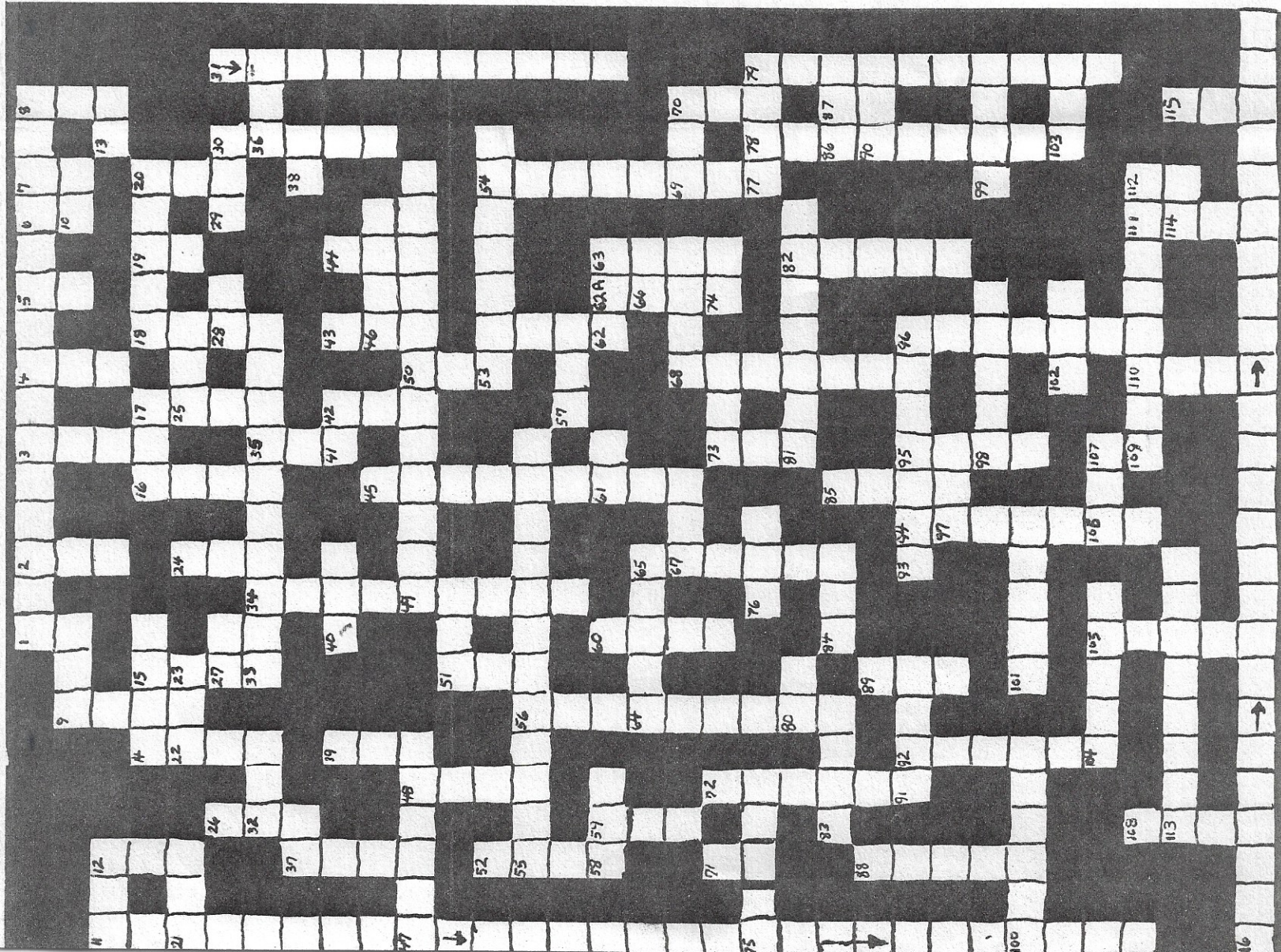
Skip over arrows in multiple word answers.

Watch 62A down for numbering error.

Good luck !

DX CROSSWORD

ED + RM



ACROSS

- 1 opr stns on Bonaire, Malagasy & Monte Carlo
- 9 Wisc 970kHz CPC last season
- 10 TA on 1554 speaks this language
- 11 abbreviation for #1 across
- 13 sometimes sent with a verie
- 14 an "OK" stn in N.Y. on 1460
- 16 Omaha Neb 590 kHz stn
- 18 CBS 1560 XE affiliate
- 21 (Ham) about
- 22 2.5 5, 10, 15, 20 & 25 mHz stn
- 25 N.Y.C. 1190 daytimer W ---
- 27 (Ham) opposite YL
- 28 prefix for Costa Rica
- 29 a het not hearable but viewable on scope
- 32 Gov' stns at Marathon, Munich, Okinowa, etc
- 33 B.F. _____
- 36 verie _____
- 37 California, Oregon, Washington (abbreviation)
- 38 type of verie _____
- 40 Argentina 870 Radio Nacional (call letters)
- 41 BC band in U.S. from 54-88mHz & 174-216 mHz
- 46 Edits this column from Girard Ohio, column is
- 47 Tunis 962 would be daytimer in this dry area
- 49 QRM _____
- 51 LA on 800 kHz powerhouse
- 53 Conn DXer--also a radio brand name
- 55 Long name for #36 across
- 57 Normally blocks KFAB on east coast
- 58 (ham) pronunciation of letter "Z"
- 61 (ham) for single girl, not married
- 62 U.S. Radio regulatory agency
- 64 HCJB lives in this town
- 66 Columbia prefix _____
- 67 Radio Nacional d'Espana
- 68 Zebulon N.C. on 540 kHz
- 69 Japanese Network _____
- 73 Month with 3 letters in name
- 74 Missing New England state: Me, Ma, Vt, RI, CT
- 75 South American Country w/prefix CB
- 76 Auto-Gain-Control _____
- 77 Kentucky Group of DXers active in NRC
- 80 Morse Code _____
- 81 Islam/Moslem Holy Days _____
- 83 Capital of #72 Down (2nd word only)

ACROSS (continued)

- 84 Noise Interference (Q-signal)
- 86 Often "last resort" for getting a verie
- 90 Thomasville GA on 730kHz is W ---
- 91 Between Penn & Ind.
- 93 Double space your s
- 97 St Maarten call _____
- 98 Mexican on 690kHz
- 99 Hope your receiver is not this quiet
- 100 Country prefix is "HO"
- 101 Agreement covering broadcasting in N.A.
- 102 Lotsa Noise _____
- 103 All Domestic loggings reported in this time
- 104 KBOI & KGEM live in this state
- 106 measurement of transmitted power which takes into account the gain of the antenna
- 109 D.M. (2 words - not Deutsche Mark)
- 113 IDXD editor _____
- 114 Btwn Canada & Mexico
- 116 WGN's call letters stood for this:

DOWN

- 1 Transatlantic _____
- 2 is usually a LW or loop
- 3 Ft Wayne 1190 kHz
- 4 ex WRCH 910 Conn is now W ---
- 5 measurement of signal strength (1/10th bell)
- 6 audio frequencies _____
- 7 direction finding _____
- 8 measurement of resistance _____
- 9 Albany NY on 590 kHz
- 11 WTIC call stood for its owners the _____
- 12 a rodent (nothing to do with DXing)
- 14 EC 1170 powerhouse
- 15 stn blocked on EC by #14 down
- 16 Urbanna Illinois DX test _____
- 17 low budget Campbell Ohio stn with HWB & JS
- 18 transmitter (abbreviation)
- 19 new 710 Newfoundland hrd past season is CK--
- 20 pre sunrise authority (abbrev)
- 24 a California "true" clear _____
- 26 automatic volume control _____
- 30 very popular Hammarlund receiver top-notch
- 31 city with Russian stn w/50kW on 1493
- 34 Castries St Lucia 840 calls self Radio.....

DOWN (continued)

- 35 PEI, NS or NB equivalent of EST
37 Portland Maine on 970 kHz
39 New Brunswick 1070 clear
42 Freqs btwn H.F. and U.H.F.
43 Powerhouse 1586 German (NRC abbreviation)
44 NRC DX Bulletin Name (abbreviation)
45 "Het" full name
48 receiver (abbrev)
50 Musings editor's initials
51 CFCY-CHTN-CJRW comprise all AMers here(abbr)
52 Caracas Venezuela 1200 Khz call letters
54 Radio club or Radio manufacturer
56 Monthly _____ check
59 Middleburg Hgts Ohio member (abbrev)
60 Radio Clarin-860 Dom Rep. call letters
62A New PEI stn widely heard past season
63 Halifax 920 Khz call
65 KPNW-1120 is home in this state
68 KTWC & KNIE good shots to hear this state
70 young goat (not DX related)
71 KORL state abbreviation
72 Capital of Mexico is _____ City
73 "middle of the road"
78 A.M. modulation the _____ is modulated
79 KFBK & KRAK live in this city
82 Tone able to be hear is an _____ frequency
85 Lockport NY on 1340
87 "presently operating"
88 navigational aid like RADAR
89 Hartford 1410 or "Proof" abbreviation
92 the 50th state
94 Musco issues for log, Boyd for Pattern book
95 Merriman's column
96 PZX26 725kHz SRS Paramairabo (country name)
105 Boyd's first name
107 program director
108 Melbourne Fla ex WMEG-920, now call is _____
110 Group of broadcasters-nationwide (abbrev)
111 RJE first name
112 sunset or Spanish
115 measurement of electrical current

TYPICAL RECEPTION BROADCAST BAND, WINDSOR LOCKS CONNECTICUT

FREQ	DAYTIME	NIGHTTIME	MONDAY	FREQ	DAYTIME	NIGHTTIME	MONDAY
540	WLIX	CBEF/HIBW		1070	WKDR	CBA	
550	WGNG/WGR	WGNG/WGR/WDEV	CFNE	1080	WTIC	WTIC	WTIC
560	WHYN	WHYN/WFLL	WFIL/WGAN	1090	WILD	WBAL	
570	WMCA/WSYR	WMCA/WSYR	(WEDN)	1100	WHLI	WWWE	
580	WTAG	WTAG	WHP/WKAQ	1110	(WHIM/WGRG/WSPW)	WBT	
590	WEEI/WROW	WEEI/WROW	WARM	1120	WWOL	KMOX	
600	WICC	CFCF/WICC/CMKV	CFCF/CMKV	1130	WNEW	WNEW	WNEW
610	WSNG	WIP		1140	WCJW	WRVA	CJTR
620	WHEN/WVNJ	WVNJ/WVMT	WSUN/CFCL	1150	WCOP/WCNX/WRUN)	WCOP/WRUN)	CKOC
630	WPRO	WPRO/WMAL	CJET/CFCO	1160	(WJJD @ SS)	KSL	KSL
640	(WHLO @ SS)	CMQ/KFI		1170	WWLE/WBRW	WWVA	WWVA
650	-----	WSM	HJJX	1180	WHAM	WHAM	
660	WNBC	WNBC	HJJM/YVNA	1190	WLIB	WOWO	CHTN
670	-----	WMAQ	WMAQ	1200	-----	WOAI	WOAI
680	WRKO	WRKO	WPTF/CFTR	1210	WCAU	WCAU	WCAU
690	WADS (@SR)	CBF/CMBC		1220	WCDQ/WRIB/WGNY)	WGAR	
700	-----	WLW	WLW	1230	WINF	WINF	WERI
710	WOR	WOR	WOR	1240	WVCO/WHAI	WVCO	WGBB
720	- - - - -	WGN	WGN	1250	WARE	WTAE/WKBR	WDVA/CHWO
730	WACE	CKAC	CKAC/CMCA	1260	WEZE/WMM/WBNR)	WEZE	
740	WCAS/WGSM	CBL/WKIS	R. Echo	1270	WSPR	WSPR/WXYZ/WTSN	WXYZ
750	WHEZ	WSM		1280	WADO/WEIM	WADO/WABK/WROC	CHAM/CJMS
760		WJR	WJR	1290	WCCC	WVBF/WICE/WENE	
770	WABC	WABC	WABC	1300	WAYZ/WQBK	WAYZ/WFBR	WFBR
780	- - - - -	WBBM (het)	WBBM (het)	1310	WORC/WICH	WORC/WLOB/WICH	WLOB/WCAM
790	WEAN	WEAN/WTAR	WAEB	1320	WATR/WHHO	WKAP	WKTQ
800	WLAD/WCCM	CKLW/PJB/CJAD	CKLW	1330	WCRB/WHAZ	WPOW/WCRB	open
810	WGY	WGY	HJCY	1340	WNHC/WBRK		
820	-----	WBAP	WBAP	1350	WINY/WNLK	WZIX/WSLR	WKLK
830	WNYC	WCCO	WCCO	1360	WDRC	WDRC	WDRC
840	WRYM	WHAS		1370	WALK	WFEA/WSPD	WSPD
850	WHDH	WHDH	WERU/WJW/KOA	1380	WNRI/WOWW	WBNK/WSYB	WBNK
860	WFSB	CJBC/KONO	KNON/CBH/HILR	1390	WRIV/WEOK	WFBL/WPLM	WEAM
870	-----	WWL	WWL	1400	WILI/WHMP	day + WOND/WABY	WOND
880	WCBS	WCBS	WCBS	1410	WPOP	WPOP/WKMG	WPOP/WKMG
890	-----	WCLS	WCLS	1420	WLIS/WBRC	WKK/WBSM	WKK/WBSM
900	WFLN/WOTW/WBRV	CHML/CKTS/CKVD	CHML	1430	WWEL/WTTT	WENE/WNJR	WNJR/CKPH
910	WRCQ/	WRCQ/WSBA/WGBI	WRCQ/WSBA	1440	WAAB/WBYS	WAAB/CFGO	HET
920	WJAR/WIRD	WJAR	CJCH/CKCY	1450	WMAS/WKIP	WMAS	WWSK + gang
930	WREB/WBEN/WWNH	WPAT/WWNH	WBEN/CFBC	1460	WBET/WOKO	WOKO/WCMS/CJOY	open
940	WINE	CBM/WINZ	WINZ	1470	WMMW/WSRO	CFOX/WSAN/WLAM	CHOW
950	WRYT/WHVW/WIBX	WPEN/WIBX	WPEN/WLOP	1480	WKND	WSAR/WHOM	
960	WELI	WELI/WEAV	WEAV/CHNS	1490	WTKL	WTKL	WTKL
970	WWDJ/WESO	WWDJ/WCSH	WWSW/CKCH	1500	WPIF	WTOP	WDEE/XERH
980	WTRY/WCAP	WTRY/CKGM	CFPL	1510	WMBX/WNLC	WMBX/CJRS	WLAC/CJRS
990	WNTY	WIBG	WNOX	1520	WTHE	WKBW	WKBW
1000	WMS/WHNB	WCFL	HJBU	1530	WJDM	WCKY	open
1010	WINS	WINS	WINS (CFRB)	1540	WPTR	WPTR	KXEL (SuMort)
1020	KDKA	KDKA	HJDP/YVQY	1550	WEXT	CBE/WOKJ	WOKJ
1030	WBZ	WBZ	HJFQ/XEQR	1560	WQXR	WQXR / (Cuban)	KRAA/Cuban
1040	-----	WHO	WHO	1570	WPEP/WDEW	CKLM/XERF	CKLM/XERF
1050	WHN	WHN	WHN / (CHUM)	1580	WSUF	CBJ	WCLS
1060	KNRN WGTR	KYW		1600	WTYM	WUNR/WURL	WURL

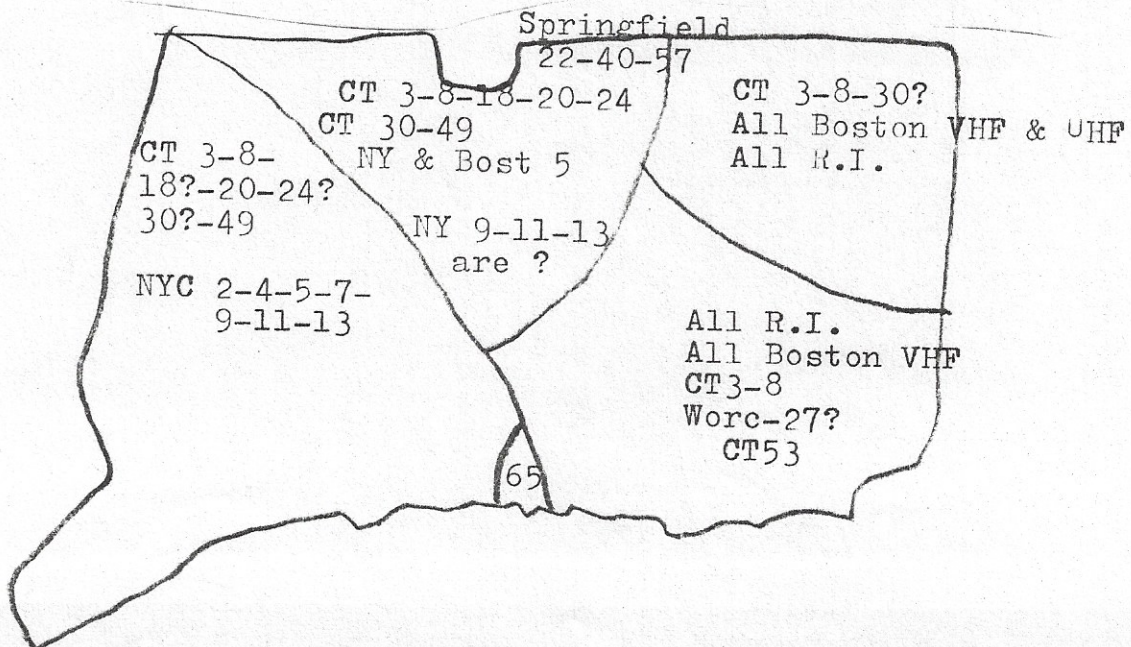
TV and TV DX
IN CONNECTICUT

TV coverage and TV DX are generally both good in most parts of the state of Connecticut. This almost contradictory statement is possible due primarily to the fact that there are only two VHF stations allocated to the entire state. In most areas of the state, this means that only two channels have strong "un-nullable" signals. This is a big advantage over a TV DX'er in an area like New York City where maybe 7, 8, or 9 channels are locals.

Despite this apparant lack of VHF stations, day-to-day coverage is above average. This is possible due in part to the allocation of UHF stations in areas not reached by the VHF'ers and also to the use of high gain antennas to acquire signals from neighboring population centers (N.Y.C., Boston, Providence, etc.)

From a TV DX standpoint, Connecticut's location is usually excellent for Es (sporadic E level propogation) and Tropo. One project which should be undertaken is a serious attempt at Trans-Atlantic TV. Europe's lower frequencies are a very real double-hop possibility from our location; however, the different system used there has to my knowledge prevented any serious attempt at this TA/TV project.

Getting back to general coverage, an accurate picture of "what's useable in what area" is difficult to assemble. The various signal sources plus the efficiency of the receiving antenna must be considered. For general information a map has been provided which should give you some idea as to where we receive our programs. Likewise, an information sheet is provided giving some details as to each station viewable here.



TV STATION DATA Note: Antennas given: Ft AAT/Ft above ground
Note: Power given as Visual/Aural,

Connecticut Licensed:

WFSB-3 (9-23-57) CBS Net 100kw/13.8kw 910t/542g
Hartford Originally WTIC-3 sold last year to Washington Post
for \$31+ million)

WTNH-8 (6-15-48) ABC Net 120kw/24kw 1210t/909g
NewHaven Conn's oldest TV stn. Orig opr on ch-6 with call WNHC.
Owned by Capital Cities BCing.

WATR-20 (9-04-53) NBC Net 200kw vis 506t/255g
Waterbury Granted license to serve with NBC coverage into the
valley areas of s.w. Conn where NBC from N.Y.C. was
almost impossible to receive. Affiliated WNAB-1450
in Bridgeport and WTAR AM & FM in Virginia.

WHCT-18 (1-24-59) IND 158/31 640t/291g
Hartford o/o by Faith Ctr Stns. Founded as WGTH-TV and sold to
RKO Gen'l in 1960. Was GIVEN to Faith Ctr in 1972 by RKO

WHNB-30 (2-11-53) NBC Net 790kw/78kw 930t/1288g (2 translators)
Hartford Call is for W-Hartford-New Britain. Founded as WKNB-TV.
Sold in 1956 to NBC Co and was given call WNBC-TV. Sold
in 59 to Conn TV Inc/Transcontinental Properties (curr owner)

CPTV

Connecticut Public Television

WEDH-24 Hartford 680kw/69kw 897t/455g (10-1-62) FEED STATION
WEDW-49 Waterbury 380kw/75kw 610t/376g (12-17-67)
WEDN-53 Norwich 316kw/31kw 681t/481g (3-5-67)
WEDY-65 New Haven 9.12kw/1.82kw 270t/101g (12--74)
(WEDY was formerly a repeater of 24 which rebroadcast on 71
it is now a "full" station)

Note: CPTV stations are all capable of transmitting their own programs
but at the present they simply air what is broadcast on the
feed stn(WEDH-24) with local identifications.

New York Licensed:

WCBS-2 NYC 7-1-41 42kw/21kw 1330t/1465g % by CBS Affil: WCBS AM & FM
WNBC-4 NYC 7-1-41 25kw/12kw 1440t/1465g % by NBC Aff: WNBC-AM/WNWSFM
WNEW-5 NYC 5-2-44 37kw/5 $\frac{1}{2}$ kw 1330t/1465g % by Metromedia, WNEW AM & FM
WABC-7 NYC 8-10-48 110k/11kw 1380t/1465g % by ABC Affil: WABC AM & FM
WOR--9 NYC 10-5-49 155k/31kw 1240t/1231g % by RKO Affil: WOR AM & FM
(orig lic to Bamberger/Macy & sold to RKO in 52 for \$4.5mill
WPIX-11 NYC 6-15-48 100k/20kw 1410t/1464g % by WGN & NY Daily News
an independent (as is WOR) WPIX Affil: WPIX-FM & WICC-AM
WNET-13 NYC 1-2-48 178kw/35kw 1190t/1200g % by National Educ TV
licensed to Newark NJ. Founded as WATV. Past calls WNDR/WNTA

Rhode Island Licensed:

WTEV-6 1-1-63 100kw/22kw 940t/966g % by WGAL Penn ABC net
Dual license to New Bedford Mass/Providence R.I.

WJAR-10 Prov. 7-10-49 (R.I.'s 1st) 316kw/49kw 1000t/940g
NBC net, % by Outlet Co. WJAR-AM affil

WPRI-12 Prov 3-27-55 316kw/31.6kw 1049t/981g % by Poole Stns(1967/\$16M)
CBS net. Orig lic to Cherry & Webb. sold to Cap Cities in 59

Massachusetts Licensed:

Boston

- WGBH-2 5-2-55 50kw/5kw 1040⁺/1199g PBS Net % WGBH Inc WGBH-FM
Feeds WGBX-44 and WGBY-57
- WEZ--4 6-9-48 60kw/9.75kw 1160t/1194g NBC net % Westinghouse (AM/FM)
(Mass 1st stn)
- WCVB-5 11-26-57 1001w/20kw 980t/1190g ABC net % Boston Broadcasters
Formerly WHDH-TV-who LOST LICENSE - WCVB took over. Claims
most local programming for any net stn in nation. Runs A/N.
- WNAC-7 6-21-48 316kw/63kw 1000t/1069g CBS net % RKO General
Affil: WRKO-AM & WROR-FM. Previous call WRKO-TV
- WSBK-38 10-12-64 1260kw/126kw 1170t/1197g IND % Storer BCing
One of most successful UHF stns in nation covers Bruins & Sox
- WGBX-44 9-25-67 393kw/291kw (also BC with vertical polarization)
1080t/1074g PBS Net, % by WGBH Inc (often // WGBH-2)
- WLVI-56 8-31-53 1660kw/166kw 1186t/1201g IND former call WKGB
for Kaiser Globe Broadcasters. Pres ownership unknown by me.

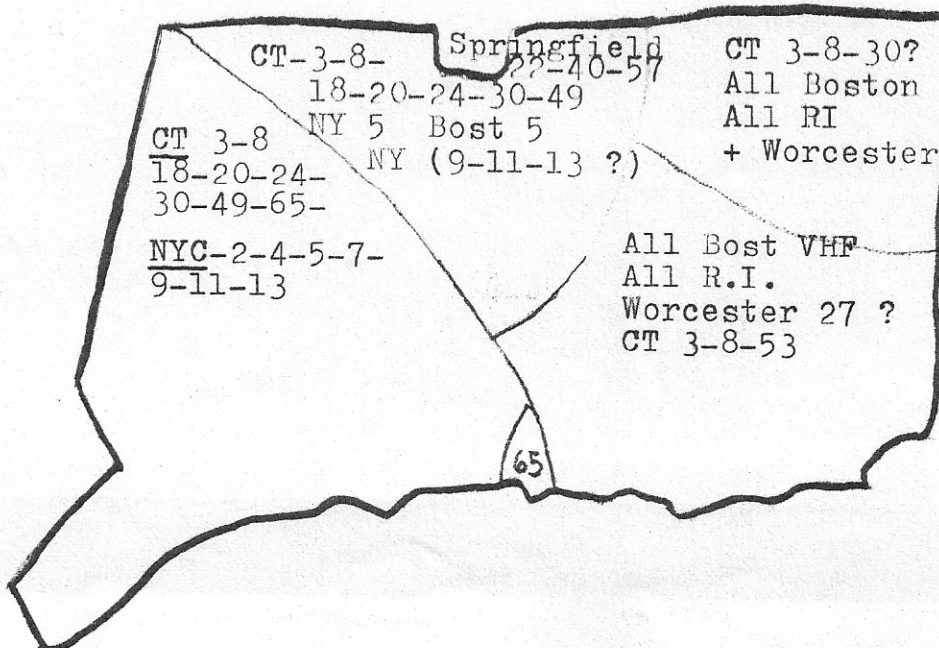
Springfield

- WWLP=22 3-17-53 933kw/93.3kw 750t/400g NBC Net % Springfield TV Inc
- WHYN-40 4-14-53 3680kw/368kw 1004t/152g ABC Net % WHYN Inc (AM & FM)
- WGBY-57 9-26-71 1334kw/267kw 1000t/137g PBS Net % WGBH-2 Boston
(a full station, normally rebroadcasting WGBH-2)

Worcester

- WSMW-27 1-2-70 1150kw/227kw 1531t/1349g IND % State Mutual Insurance

As stated earlier, reception of many of these stations varies greatly within Connecticut; terrain, antenna systems, etc all influence whether or not you will receive them. But, generally speaking, all of these stations "make-it" into some good-sized portion of our state.



Connecticut FM stations \$=Stereo Q=some Quadrophonic broadcasting

88.1	\$	WESU	Middletown, Conn.	1900 w	-48'ant.	Began Feb. 25, 1961
			Wesleyan Univ.	Operates	0700-0900 and 1600-0100	
88.1		WMNR	Monroe, Conn.	330 w h&v	200'	Began Jan. 10, 1974
			Masuk High School.	Operates	1900-2200	
88.3		WQAQ	Hamden, Conn.	10 w		Began Sept. 24, 1973
			Quinnipiac College	Operates	0700-0200	
88.3		WQTQ	Hartford, Conn.	10 w		Began Oct. 19, 1973
			Weaver High School	Operates	1600-1900	
88.5		WVOF	Fairfield, Conn.	10 w		Began Apr. 20, 1974
			Fairfield Univ.	Operates	1600-0100	
88.7		WNHU	West Haven, Conn.	1700 w	151'	Began June 4, 1973
			Univ. of New Haven	Operates	1600-0100	
88.9		WJMJ	West Hartford, Conn.	6000w	450'	NOT ON AIR-TARGET UNK
			St. Thomas Seminary	(granted CP June 7, 1972)		
89.3		WRTC	Hartford	350 w	63'	Began Jan. 23, 1958
			Trinity College	Operates	1900-0100	
89.5		WPKN	Bridgeport	2400 w h&v	550'	Began May 2, 1963
			Univ. of Bridgeport	Operates	1500-0200	
90.1		WFCS	New Britain	10 w		Began Oct 12, 1972
			Central Conn. State	Operates	0800-0000	
90.1		WWEB	Wallingford	10 w		Began May 16, 1969
			Choate School	Operates	1900-2200	
90.3		WWPT	Westport	300 w	110'	Began Aug. 25, 1973
			Staples High	Operates	1600-2300	
91.1		WSHU	Fairfield	600 w-H, 570w-V	620'	Began Sept. 1, 1964
			Sacred Heart U.	Operates	0900-0200	
91.3	\$	WWUH	West Hartford	1000 w	520'	Began July 15, 1968
			Univ. of Hartford	Operates	1600-0300	
91.5		WCNI	New London	10 w		Began October 28, 1974
			Conn. College	Operates	1600-0000	
91.7	\$	WHUS	Storrs	3200 w	360'	Began 1956
			Univ of Connecticut			
91.7		WSLX	New Canaan	10 w		Began Spring 1975
			St. Luke's School (secondary)			
91.7		WXCI	Danbury	10 w		Began Feb. 27, 1973
			Western Conn. State College	24 hrs		

NOTE: Schedules for college and high school FM stations vary a great deal, and some are off during winter and spring breaks and summer vacation periods

H=horizontal V=vertical polarization antenna height given in feet

Connecticut FM Stations (2)

- 92.5 Q WWYZ Hartford-Waterbury
16000w 790' Began Aug. 1, 1961
"Wise" beautiful music 24 hours a day; NSP
features Tony Marvin, former MBS and Arthur Godfrey Show
announcer on Sat. and Sun. afternoons;
AM affil: WATR-1320, programs separately
- 93.7 WL VH Hartford
18000w 760' Began Jan. 12, 1959
"La Grande" radio; all-Spanish; Mon-Fri 0600-2200
Sat 0600-0200; Sun 0800-0000
- 94.3 \$ WYBC New Haven
1200w 125' Began Mar. 9, 1959
Operated commercially by Yale students; 0600-0200 daily;
varied format of progressive rock, blues, folk rock, jazz;
all classical Sun. morning and afternoon;
Network: ABC/FM
- 95.1 \$ WINE-FM Brookfield-Danbury
29000w 470' Began July 14, 1957
"Wine" radio; "Stereo 95"; Top 40 rock; 0600-0100
Network: MBS
AM affiliate: WINE-940, simulcasts daytime hours
- 95.7 \$ WKSS Hartford-Meriden
14500w 820' Began 1947 (directional antenna - null southwesterly
"Kiss"; "Stereo 96"; beautiful music 24 hours a day NSP
- 95.9 WDRN Norwalk
3000w 130' Began Dec. 16, 1965
Contemporary MOR, news and information format 0600-0000
AM affil: WNLK-1350, simulcasts 100%
- 96.5 \$ WTIC-FM Hartford
15000w 810' Began Feb. 5, 1940
"The Station With A Touch Of Class"; all-classical except 0100-0815
subscribes to classical music service "Parkway" 24 hrs NSP
Carries Boston Pops, Cleveland Orchestras, NY Met Opera in season
Network: NBC
AM affil: WTIC-1080, simulcasts 0100-0815
- 96.7 WYRS Stamford
3000 w 280' Began Oct. 18, 1947
beautiful music, automated, live DJ morning drive weekdays
Owned by the local daily newspaper, Stamford Advocate
Net: ABC/FM
AM affil: WSTC-1400, programs separately
- 97.7 \$ WCTY Norwich 3000w-H, 2950w-V 300' Began May 27, 1968
"Easy Lovin' Country"; automated country-western music 24 hours
a day
Net: ABC/FM
AM affiliate: WICH-1310, programs separately
- 98.3 \$ WLAD-FM Danbury 2500w 330' Began Dec. 1954
"Music For All Seasons"; automated beautiful music 0600-0000 daily
AM affil: WLAD-800, programs separately

Connecticut FM (3)

- 98.3 \$ WXLS Willimantic
3000 w 300' Began June 16, 1975
uptempo beautiful music 24 hours a day, automated
(Temporarily signing off during July 2000-0000 nightly because
of interference to local TV sets)
- 99.1 Q WPLR New Haven
10000w h&v 950' Began 1947
Progressive rock in quad 24 hours a day NSP
- 99.9 \$ WEZN Bridgeport
"Stereo 100"; automated beautiful music 24 hours a day NSP
Former WCBS/WHN personality Jack Sterling does live show
6-9am weekday mornings
- 100.5 \$ WRCH New Britain
10000 w circular polarization 931' Began July 14, 1968
"Rich" "Stereo 100"; automated beautiful music 24 hrs a day NSP.
AM affiliate: WRCQ-910, programs separately
- 100.9 \$ WTYD New London 3000w 160' Began Dec. 29, 1969
"Stereo 101" Beautiful music 24 hours a day, automated
AM affiliate: WNLC-1510, programs separately
- 101.3 \$ WKCI Hamden (directional - null to west)
12000 w h&v 870' Began May 1964
"Stereo Island" beautiful music 24 hours a day NSP
AM affiliate: WAVZ-1300 New Haven, programs separately
- 102.9 \$ WDRC-FM Hartford
17500 w 760' Began Oct. 26, 1959 24 hrs NSP
"The Big D"; "Stereo 103"; top 40 rock; album rock 0000-0600
AM affiliate: WDRC-1360, simulcasts 0000-1000
- 104.1 \$ WIOF Waterbury
12500w 600' Began Dec. 24, 1967
"W-104", automated country & western with local dj's 24 hrs NSP
Net: ABC/Entertainment; owned by Merv Griffin
AM affil: WPOP-1410 Hartford, programs
- 104.9 WIHS Middletown
2910 w 300' Oct. 11, 1969 began
Operated as a non-commercial religious stn, although it holds
a commercial license
24 hours a day, off early Sun & Mon mornings
- 105.5 \$ WSUB-FM Groton
3000 w 275' Nov. 23, 1971
"Have A Happy Day"; MOR 0600-1700; rock 1700-2300 s/off
Net: ABC/Entertainment
AM affil: WSUB-980, simulcasts 0600-sunset
- 105.9 Q WHCN Hartford (directional - null to southwest)
19000-h, 15500w-v 740' Began May 13, 1939
24 hours a day; off occasional Tues. mornings
Progressive rock
Oldest FM stn in New England & one of oldest in U.S.
- 106.9 \$ WCCC-FM Hartford
20500w 720' June 7, 1960
24 hours NSP progressive rock

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WNHC

P. O. BOX 1340 • NEW HAVEN, CONNECTICUT 06510

WATERBURY, CONNECTICUT



P.O. BOX 2177
CONNECTICUT 06720

WSNG - AM - 610 KC
SING RADIO
DOWNTOWN SHOPPING CENTER
TORRINGTON, CONNECTICUT 06790

WNTY

THE SOUTHTON BROADCASTING COMPANY
P.O. BOX 990 SOUTHTON, CONN. 06489



1980 AM - 102.9 FM
HARTFORD, CONNECTICUT



152 TEMPLE STREET
NEW HAVEN, CONN. 06510
THE NEW WAVES

WINE RADIO
Box #11
Brookfield, Conn. 06804

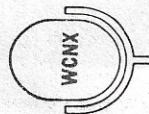
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WTIC 1080

THE FINANCIAL PLAZA
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THE MIDDLESEX BROADCASTING COMPANY
MIDDLETOWN, CONNECTICUT

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DIVISION OF NATIONAL MEDIA CORPORATION
MANCHESTER, CONNECTICUT 06040

WVSB

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14/abc

0591 WEXM



Office and Studios • 998 Farmington Avenue • West Hartford, Conn. 06107 • Phone 521-1550

A BRIEF HISTORY OF WTIC-1080

Gathered from information provided by Mr. Harold Dorschug, C.E. WTIC and edited by Frank Dailey .

While not the oldest broadcast station in the state of Connecticut, WTIC is by far the most widely heard and is our only 50kW facility. This brief history, while not all inclusive, will hopefully detail some interesting and little known facts about the station. (ed)

1924: Walter G. Knowles, the V.P. of the Traveler's Insurance Company studied the technical aspects of opening a radio station for the Hartford area with Hiram Percy Maxim and Kenneth Warner of the ARRL. These pioneers of American amateur radio convinced Knowles of the potential and a construction permit was applied for and issued. At the time there was no local broadcast station in town as WDAK, operated by the Hartford Courant had surrendered its license in 1923.

In the fall the Dept of Commerce issued the license and a 500 watt Western Electric transmitter was installed atop the Traveler's Insurance Building on Grove Street in Hartford. On December 13, 1924 they were licensed to operate 3 days a week on 860 KC. The first test program was aired December 19th and drew reception reports from Conn, Mass, R.I. and N.Y. A second test was aired on December 22nd and it drew reports from the above locations plus N.H., Maryland, Maine, Georgia and Nova Scotia.

1925: On February 10th formal broadcasting began. From 7:45 to 10:24 PM WTIC was licensed as a full-time class B station. Later that year WTIC took part in several network firsts. On March 15th WTIC and 18 other stations formed the first "true" network. This broadcast Colonel Billy Mitchell live from D.C. via wire to WEAJ (later WRCA & now WNBC) and then fed to the net stations. This was a major achievement in those days when most stations did not have the capability of doing live remotes. Later that year WTIC was also part of the first coast-to-coast network which carried President Coolidge's inauguration.

During the fall and winter, WTIC engineers were very dissatisfied with their Connecticut coverage and they made their first change of frequency when they "swapped" with WEER-Boston and started broadcasting on 630 KC. They engaged in their first remotes most noteworthy being the first public air-to-ground remote when then Gov. Trumbull & inventor Igor Sikorsky passed over the city.

1926: Most noteworthy single item this year was on November 15th when WTIC began its long affiliation with NBC network. During this time piracy of the airwaves was common and pandemonium reigned supreme. Their second frequency change was necessitated and they move to 560 KC but still with 500 watts.

1928: "This is Station WTIC owned and operated by the Traveler's Insurance Company, the Traveler's Fire Insurance Company, and the Traveler's Indemnity Company. We are operating with a power output of 500 watts on a frequency of 560 kilocycles by authority of the Federal Radio Commission." Yes, the Davis Amendment to the Federal Radio Act was finally passed by Congress and some stability came with it.

By the end of the year, the frequency was again changed to 600 KC and the power was reduced to 250 watts. WTIC was broadcasting about 5 hours a day, daily.

The biggest news in southern New England's radio history broke in the fall of 1928. After much technical experimentation WTIC's staff concluded that due to poor ground conductivity in New England, improved services to urban and rural areas could only be obtained through an increase in power. The station applied for and received a construction permit for operation with 50kW on 1060KC with the proviso that it would be a shared time basis with WBAL-1060 in Baltimore. Although this was far from satisfactory in view of the large investment required for 50kW operation (land, bldgs & eqpt estimated at a half million 1928 dollars) it was decided to proceed with the hope that another wavelength or an unforeseen technical advance would permit future full time operation. A total of 200 acres on Avon Mountain were purchased and ground was broken for the transmitter building on December 4th. In addition, in October a contract was negotiated with R.C.A. for an RCA 50-B 50kW transmitter. It featured crystal controlled oscillator, low power 100% modulation, utilizing super power 100kW Radiotron and the "Hot Cathode" Mercury rectifier tubes. Cost of the transmitter, including installation, was \$149,000.

1929 Construction continued on the transmitter site and modifications to the studios were also accomplished during this time. In July the Avon Mountain facility was ready for broadcasting. Two 200 foot towers illuminated by floodlights were dominant on the horizon. Test broadcasts were aired and they received reception reports from Seattle, Miami, Bermuda PEI and many points in-between. A final program was aired on July 30th with the old 500 watt transmitter. It featured many of the same people who first put WTIC on the air the very first night. The program ended at midnight and WTIC's 500 watt transmitter operating at 250 watts on 600KC was gone forever! A day or two later, it was announced that the division of "shared time" between WBAL & WTIC had been agreed upon and sanctioned by the Federal Radio Commission. WTIC was allotted periods of 24 hours starting at 7PM Monday, Wednesday & Friday. WBAL would operate 24 hours, from 7PM on Tuesday, Thursday & Saturday. Sunday would be divided.

WTIC's 50kW transmitter, operating at 5kW, came on the air for the first time on August 2nd, 1929 and operated at 1060KC. Beginning that day WTIC & WBAL would share time until May 1934. On August 30th the power was increased to 20kW and on Sept. 1st, power was increased to its maximum authorized 50kW for the first time. The new transmitter was indeed quite a work of art. It was dubbed "Number 1" by R.C.A. and served as a model for many later installations both here and abroad. The new transmitter brought reception reports rapidly from every state in the U.S.A., every Canadian Province, as well as Great Britain, Germany, France, Sweden, New Zealand, Australia and Africa.

1930 During the first year of the new operation, everything proceeded smoothly with the exception of the on-again--off-again schedule. The new thought at this time was for SYNCHRONIZATION. A WEAFF-WTIC/WBAL-WJZ agreement was reached and subsequently approved by the commission. This meant that during the 24 hour period when WBAL operated the channel, WTIC would continue broadcasting in synchronization with WEAFF on WEAFF's channel of 660KC. Likewise when WTIC was operating on 1060, WBAL would be in synchronization with WJZ on 760KC. Upon approval equipment installations took place and on March 16th 1931 the synchronization program went into effect.

1932 WTIC's transmitter was operating daily from early morning until midnight when 1932 rolled around. For $3\frac{1}{2}$ days on its shared time channel of 1060 KC and $3\frac{1}{2}$ days in synchronization with WEAJ on 660 KC with 5kW. Complaints were coming in, particularly from the New Haven area, about reception quality during periods of synchronization with WEAJ and the engineers continued to try to correct the problem with various adjustments.

In July the New England Network was formed. It consisted of WEEI-Boston, WCSH-Portland, WTAG-Worcester, WJAR-Providence and WTIC-Hartford. NEN was dissolved 4 years later.

1933 It was back to limited time again as the synchronization experiment had expired and WTIC was back to sharing its broadcast week with WBAL. WTIC's engineering consultant Mr. T.A.M. Craven (later 2 term FCC Commissioner) proposed a "directional antennas system" as a means of obtaining permission for WTIC to operate full-time by sharing the frequency with a western station. At that time the idea was new and novel and Craven thought it would be approved if it could be applied to the entire industry. Over the next few years the station conducted interference tests with KRLD-Dallas, Texas which aided in establishing standards for directional operation.

1936 Both WTIC & KRLD operated on 1040 KC in synchronization to study interference levels with the F.C.C. This operation provided the field testing necessary to prove the possibilities of directional operation

1940 As part of the general revision of assignments throughout North America WTIC again changed frequency - this time to 1080 KC where it has remained ever since. Also at this time the FCC granted licenses for "daytime" stns.

LATER WTIC moved to new studios at Broadcast House at 3 Constitution Plaza in Hartford on September 23, 1961 and later to its present location at One Financial Plaza on October 21, 1974. The transmitter remains at Avon Mountain where it has been since 1929.

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Again, many thanks to Mr. Harold Dorschug, the C.E. at WTIC who supplied the highly detailed history of WTIC from which this paper was culled.

NRC'ers: One of the things that struck me the most was the number of different frequencies that WTIC has operated on. I am certain that both NJPC & WTIC would be interested in any older frequencies you might have verified in the past. If you have any of these, please let me know, (F.E.D.)

