

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
MAIN TRANSMITTER
STANDARD BROADCAST STATION LICENSE
MODIFIED AS OF FEBRUARY 24, 1967

File No. BL-11,523
Call Letters W S V R

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, ^{1/}the LICENSEE

NEWHOUSE BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broad-
casting for the term beginning February 24, 19 67, and ending June 1, 19 69
~~(3:30 P.M. to 6:00 P.M. Eastern Standard Time)~~ (3 a.m., Eastern Standard Time)

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of 570 kc.
- With 5 kilowatts power directional antenna nighttime [common point current, 5.0 amperes
common point resistance, 199.8 ohms
and 5 kilowatts power directional antenna daytime [common point current, 5.0 amperes
common point resistance, 199.8 ohms
- During the following period or periods of time: Unlimited Time.

4. With the station located at:

Syracuse, New York

**Transmitter may be operated by remote control
from 1030 James Street, Syracuse, New York
(See Page 3)**

5. With the main studio located at:

**1030 James Street
Syracuse, New York**

The apparatus herein authorized to be used and operated is located at:

**2341 Valley Drive
Syracuse, New York**

North Lat.	42	0	59	13
West Long.	76	0	09	09

and is described as follows:

RCA, Type No. BTA-5T, Broadcasting Transmitter
(or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

Obstruction marking specifications in accordance with paragraphs 1,3,12 & 20 of FCC Form 715 attached.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

^{1/} This license consists of this page and pages 2 & 3.

Dated: February 24, 1967

FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Wolfe
Secretary



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File No. BL-11523 Call Letters WSYR Date 2-24-67

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-2

No. and Type of Elements: **Three self-supporting, square cross-section, tapered series excited vertical radiators.**

Height above Insulators: **330' (69°)**

Overall Height: **336'**

Spacing and Orientation: **Spaced 724' (151°) between elements on a line bearing 15° True.**

Non-Directional Antenna: **None used**

Ground System consists of **144 equally spaced buried copper radials 400' in length plus a 48 x 48 foot ground screen about the base of each tower. Radials are bonded at intersecting points. A buried 4-inch copper strap joins the ground system between towers.**

2. THEORETICAL SPECIFICATIONS

		#3(N)	#1(C)	#2(S)
Phasing:	Night:	-65.6°	0°	+82.4°
	Day:	-24.0°	0°	+84.0°
Field Ratio:	Night:	0.490	1.0	0.610
	Day:	0.420	1.0	0.730

3. OPERATING SPECIFICATIONS

Phase Indication:*	Night:	-83°	0°	90°
	Day:	-41°	0°	91°
Antenna Base Current Ratio:	Night:	0.50	1.0	0.59
	Day:	0.41	1.0	0.70
Remote antenna base Current Ratio:	Night:	0.50	1.0	0.59
	Day:	0.41	1.0	0.70

*As indicated by Western Electric 2-A phase monitor.

Phase indications and antenna base currents shall be read and entered in the operating log at least once each hour. Remote antenna base currents may be read and logged in lieu of base currents provided base currents are read and logged at least once weekly for each pattern.

Field intensity measuring equipment shall be available at all times, and the field intensity at each of the monitoring points shall be measured at least once every thirty days and an appropriate record kept of all measurements so made.

DESCRIPTION OF ANDFIELD INTENSITY AT MONITORING POINTS:

Direction of 136° True North. From the WSYR transmitter driveway, drive south on Valley Drive 0.4 mile and turn left on Darwin Avenue. Drive 0.6 mile to S. Salina. Turn right and drive 0.55 mile and turn left on Rockwell Road. Drive 0.6 mile and bear left at the fork on Sentinel Heights Road. Drive approximately 0.15 mile to Kennedy Road on east side of the expressway. Turn right on Kennedy Road and drive 1.55 miles to Bull Hill Road. Turn left and drive 1.0 mile to Sentinel Heights Road. Turn left and drive approximately 0.75 mile to the monitoring point on the right side of the road approximately 100 feet beyond a field lane on the right. The distance to the point is 2.53 miles. The field intensity measured at this point should not exceed 9.1 mv/m NIGHT; 29.8 mv/m DAY.

Direction of 155° True North. From the WSYR transmitter driveway, drive south on Valley Drive 0.4 mile to Darwin Avenue. Turn left and drive 0.6 mile to S. Salina Street. Turn right and drive 0.55 mile to Rockwell Road. Turn left and drive approximately 0.75 mile to Kennedy Road just east of the expressway. Turn right and drive approximately 0.55 mile to the monitor point on the right side of the road near a large tree just north of the guard rail. The distance to the point is 1.83 miles. The field intensity measured at this point should not exceed 33.3 mv/m NIGHT.

Direction of 195° True North. From the WSYR transmitter driveway, drive south on Valley Drive 0.4 mile to Darwin Avenue. Turn left and drive 0.6 mile to S. Salina Street. Turn right and drive south approximately 1.0 mile to the junction with Highway 11A on the right. Bear right and follow 11A approximately 2.5 miles to a road on the right. Turn right and drive approximately 0.13 mile to the monitoring point at the bend in the road, on the right side near a large tree. The distance to the point is 3.25 miles. The field intensity measured at this point should not exceed 25.6 mv/m NIGHT; 55.6 mv/m DAY

DURING OPERATION BY REMOTE CONTROL

During operation by remote control, remote indications of antenna base current for each tower, and common point current shall be read and entered in the operating log at least once each half-hour. The indications at the transmitter, of the common point current, base currents, remote base meter currents and phase indications shall be read and entered in the operating log once each day for each pattern. These readings must be made within two hours after the commencement of operation with the directional antennas by remote control.