

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BS-2876

STANDARD BROADCAST STATION LICENSE

MODIFIED

Call Sign: W I Z Z

Rac 1063535

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, <sup>1/</sup>the LICENSEE

STEPHEN P. BELLINGER, JOEL W. TOWNSEND AND BEN H. TOWNSEND DBA STREATOR BROADCASTING COMPANY

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time: December 1, 1973

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

1. On a frequency of 1250 kHz.
2. With nominal power of - watts nighttime and 500 watts daytime  
With antenna input power of - watts - directional [ - current, - amperes  
antenna nighttime [ - resistance, - ohms  
and antenna input power of 540 watts - directional [ common point current, 3.0 amperes  
antenna daytime [ common point resistance, 60 ohms

3. During the following period or periods of time: Daytime as follows:

Jan. 7:15am to 4:45pm; Feb 6:45am to 5:30pm;  
Mar. 6:15am to 6:00pm; Apr. 5:15am to 6:30pm;  
May 4:45am to 7:00pm; June 4:15am to 7:30pm;  
July 4:30am to 7:30pm; Aug. 5:00am to 7:00pm;  
Sep. 5:30am to 6:00pm; Oct. 6:00am to 5:15pm;  
Nov. 6:45am to 4:30pm; Dec. 7:15am to 4:30pm;  
Central Standard Time (non-advanced)

4. With the station located at: Streator, Illinois

5. With the main studio located at:  
Intersection of State Rts. 23 & 18  
Approx. 2 1/2 miles from center of  
Streator, Illinois

6. The apparatus herein authorized to be used and operated is located at: North Latitude:  
Intersection of State Rts. 23 & 18, Approx. 2 1/2 miles from center of Streator, Illinois  
West Longitude:

41° 09' 30"  
88° 50' 13"

7. Transmitter(s):  
GATES, BG-500-GY

(or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: None Required.

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Date **8-21-72**

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- **D**

No. and Type of Elements: **Two uniform cross section, guyed, series excited vertical radiators with an FM broadcast antenna side-mounted near the top of the North No.1 tower.**

Height above Insulators: **175' (80°)**

Overall Height: **178'**

Spacing and Orientation: **Spaced 262.5' (120°) on a line bearing 353.4° true.**

Non-Directional Antenna: **None used**

Ground System consists of **120-175' equally spaced buried copper radials about the base of each tower. Intersection radials between towers shortened and bonded to common copper strap.**

2. THEORETICAL SPECIFICATIONS

	<u>North Tower (1)</u>	<u>South Tower (2)</u>
Phasing:	<b>72°</b>	<b>0°</b>
Field Ratio:	<b>.9</b>	<b>1.0</b>

3. OPERATING SPECIFICATIONS

Phase Indication:*	<b>0°</b>	<b>-74°</b>
Antenna Base Current Ratio:	<b>0.627</b>	<b>1.00</b>
<b>Phase Monitor</b> Sample Current Ratio:	<b>0.627</b>	<b>1.00</b>

\*As indicated by **Nems-Clarke 108E** phase monitor.



8-21-72

Field 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 seven days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $20^{\circ}$  true North. Proceed north on State Route 23 from the transmitter building for 2.5 miles to gravel cross road. Turn east (right) onto gravel cross road and proceed for 0.75 mile. The measurement is taken on the south shoulder of the road. This is point #8 on the  $20^{\circ}$  radial and it is 2.7 miles from the station. The field intensity measured at this point should not exceed 12.2 mv/m.

Direction of  $353^{\circ}$  true North. Proceed north on State Route 23 from the transmitter building for 1.5 miles to gravel cross roads. Turn west (left) onto gravel road and proceed for 0.25 mile. The measurement is taken 125 feet south of the telephone pole with the red band painted around it. This is point #9 on the  $353^{\circ}$  radial and it is 1.5 miles from the station. The field intensity measured at this point should not exceed 23 mv/m.