

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BG-2876

STANDARD BROADCAST STATION LICENSE

Call Sign: W I Z Z

MODIFIED

PA 21063535

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

**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 antenna nighttime **-** watts daytime
- antenna nighttime **-** directional **-** common point **-** resistance, **-** ohms
- and antenna input power of **540** watts antenna daytime **-** directional **-** common point **3.0** amperes 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: **41° 09' 30"**  
**Intersection of State Rts. 23 & 18 Approx.** West Longitude: **88° 50' 13"**  
**2 1/2 miles from center of Streator, Illinois**
7. Transmitter(s):  
**CATES, BG-500-01**

(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 the following paragraphs of FCC Form 715: **None Required.**

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.**

FEDERAL COMMUNICATIONS COMMISSION



Dated:

**August 21, 1972**

**Ran H. Miller**  
Secretary

File No. **BS-2876**

Call Sign **W I Z Z**

Date **8-21-72**

DA- D

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

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

Phasing:

North Tower (1)  
72°

South Tower (2)  
0°

Field Ratio:

.9

1.0

3. OPERATING SPECIFICATIONS

Phase Indication:\*

0°

-74°

Antenna Base Current

Ratio:

0.627

1.00

**Phase Monitor**

Sample Current Ratio:

0.627

1.00

\*As indicated by

**Mems-Clarke 1085**

phase monitor.

Phase indications and antenna base currents shall be read and entered in the operating log at least once each hour.

**Phase monitor sample currents**

may be read and logged in lieu of base currents provided base currents are

read and logged at least once

**daily.**



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.