F.C.C. FORM NO. 352
REV. JANUARY, 1951

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BL-4749
Call Letters WSGN

STANDARD BROADCAST STATION LICENSE

Subject to the provisions Modified as of September 4, 1952 subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license,[1] the LICENSEE

THE BIRMINGHAM NEWS COMPANY

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning September 4, 1952, and ending April 1, 1955
(3 a.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:

1. On a frequency of 610 kc.
2. With 1 kilo watts power xxx directional antenna nighttime [common point current, 2.04 amperes; common point resistance, 240 ohms]
   and 5 kilo watts power non directional antenna daytime [antenna current, 15.4 amperes; antenna resistance, 21 ohms]
3. During the following period or periods of time: Unlimited time.

   Average hours of local sunrise and sunset:
   Sept 5:30 am to 6:00 pm; Oct. 5:45 am to 5:15 pm; Nov. 6:15 am to 4:45 pm; Dec. 6:45 am to 4:45 pm; Jan. 7:00 am to 5:00 pm; Feb. 6:30 am to 5:30 pm; Mar. 6:00 am to 6:00 pm; Apr. 5:15 am to 6:15 pm; May 4:45 am to 6:45 pm; June 4:30 am to 7:00 pm; July 4:45 am to 7:00 pm; Aug. 5:15 am to 6:30 pm; Central Standard Time.

4. With the station located at:

   Birmingham, Alabama

5. With the main studio located at:

   Red Mountain
   Near Birmingham, Alabama

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

State Fair Grounds
Birmingham, Alabama

North Lat. 33° 29' 40"
West Long. 86° 52' 30"

and is described as follows: RCA MFG. CO., Type BTA-5G, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: two 3,333 watt vacuum tubes for high level modulation. Maximum rated carrier power output 5 kilowatts.

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 vestin 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 and 4.

Dated this 4th day of September, 1952.

FEDERAL COMMUNICATIONS COMMISSION,

T. J. Slowie

T. J. Slowie, Secretary

(SEAL)

F.C.C. - Washington, D. C.

File No. BL-4749 *Call Letters* W S G N *Date* 9-4-52

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM *DA-*N

No. and Type of Elements: Two, tapered, self-supporting, insulated, vertical radiators.

Height above Insulators: 325' (72.5°)

Overall Height: 330.5'

Spacing and Orientation: Spaced 1210.2' (270°) a line bearing 47.5° true.

Non-Directional Antenna: East tower - West tower open-circuited.

Ground System consists of 120 equally spaced buried copper radials about each tower. Two systems are connected by copper bus.

2. THEORETICAL SPECIFICATIONS

	Northeast	Southwest
Phasing:	0°	161.2°
Field Ratio:	1.0	1.55

3. OPERATING SPECIFICATIONS

Phase Indication:*	0°	161°
Antenna Base Current Ratio:	1.0	1.311
Phase Monitor Sample Current Ratio:	1.0	1.311

As indicated by RCA Type 300A *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.

FORM A-25(Lic.)
REVISED JAN. 1951

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 313.5° true North. Proceed to the intersection of C. Avenue and Sixteenth Street in Ensley, Alabama. This point can easily be found as it is specified at the intersection of established streets. It will be found to be directly across the Southern Railroad tracks from the Tennessee Coal and Iron Blast Furnaces. The field intensity measured at this point should not exceed 18.8 mv/m. Night.

Point #2, direction of 141.5° true North. Proceed southward on Sixteenth Way in City of Birmingham until the Stonewall Jackson High School is reached on the left side of the street. The monitoring point is in the center of the athletic field to the south of the school building and may be reached through the road to the school entrance. The center of the field is approximately 30 feet south of the southern corner of the school building. The field intensity measured at this point should not exceed 25.5 mv/m. Night.

Point #3, direction of 51.5° true North. The monitoring point for this station is on Sixth Avenue half-way between Seventh and Eighth Streets in Birmingham, Alabama. The location of this point may be found from any postal map of this city. The field intensity measured at this point should not exceed 86.0 mv/m. Night.

Form B-6 (7)
Adopted May 24, 1944

Date 9-4-52

FILE NO.* BL-4749

CALL LETTERS* W S C N

OBSTRUCTION MARKING
ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

Each The tower shall be painted throughout its height with alternate bands of international orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

Each tower shall be cleaned or repainted as often as necessary to maintain good visibility.

For night marking there shall be installed at the top of each tower a 300-m m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS–40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40 flashes per minute with a luminous period of 1 second and a period of darkness of ½ second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

On levels at approximately two-thirds and one-third of the over-all height of each tower, there shall be installed at least two 100-watt lamps (A–21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

*THIS SPECIFICATION IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.