

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RENEWAL AND MODIFICATION
STANDARD BROADCAST STATION LICENSE

File No.: BR-452

Call Sign: K W K H

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, the LICENSEE

INTERNATIONAL BROADCASTING CORPORATION

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 JUNE 1, 1979

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

1. On a frequency of 1130 kHz.
2. With nominal power of 50 kilo watts nighttime and 50 kilo watts daytime,
with antenna input power of 52.6 kilo watts --- directional ☐ Common Point current 12.1 amperes
antenna nighttime ☐ Common Point resistance 357 ohms,
and antenna input power of 50 kilo watts non directional ☐ Antenna current 22.9 amperes
antenna daytime ☐ Antenna resistance 95 ohms

3. Hours of operation: Unlimited Time.

Average hours of sunrise and sunset:

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

4. With the station located at: Shreveport, Louisiana
5. With the main studio located at: Petroleum Tower, Texas and Edwards Streets, Shreveport, Louisiana
6. Remote control point: --

7. Transmitter location:
Gamm Road, Near
Dixie, Louisiana

North Latitude: 32° 42' 18"
West Longitude: 93° 52' 55"

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12* & 21.
- *Modified to require side lights at the 375', 275', 175', and 75' levels.
9. Transmitter(s): RCA, BTA-50-F1
10. Conditions: (SEE PAGE 1A.)

This supersedes authorization issued same date to put on Long Form and add Pages Two & Three.

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 1A, 2 & 3.

Dated: JANUARY 6, 1977

FEDERAL
COMMUNICATIONS
COMMISSION



SK

TELEGRAPHIC MESSAGE

NAME OF AGENCY FEDERAL COMMUNICATIONS COMMISSION		PRECEDENCE ACTION: NL INFO:	SECURITY CLASSIFICATION
ACCOUNTING CLASSIFICATION COLLECT	DATE PREPARED 7/8 5/77 12:25		TYPE OF MESSAGE <input type="checkbox"/> SINGLE <input type="checkbox"/> BOOK <input type="checkbox"/> MULTIPLE-ADDRESS
FOR INFORMATION CALL		PHONE NUMBER	
NAME John Sadler AURAL EXISTING Facilities Branch 632-7010			
THIS SPACE FOR USE OF COMMUNICATION UNIT			
MESSAGE TO BE TRANSMITTED (Use double spacing and all capital letters)			

TO:

INTERNATIONAL BROADCASTING CORP.
RADIO STATION K W K H (PHONE & MAIL)
SHREVEPORT, LOUISIANA

REFERENCE-8840-JS RE ENGR REPORT 2/7/77. REQUEST FOR
RELAXATION OF MONITORING POINT ~~VXXKM~~ VALUES RECEIVED AND
SUPERSEDING AUTHORIZATION WILL BE ISSUED REFLECTING
ANTENNA MONITOR CHANGE AND ~~REK REKKK~~ RELAXED MP+VALUES.
MAXIMUM VALUE OF FILED INTENSITY VALUE FOR 57 DEGREE
CHANGE TO INDICATE 24 MV/M AND+MAXIMUM VALUE 316 DEGREE
NOT TO EXCEED 75+MV/M. ALL OPERATING PARAMETERS TO
REMAIN ACCORDANCE CURRENT INSTRUMENT AUTHORIZATION DATED
1/6/77. POST THIS AS YOUR AUTHORITY TO+SO OPERATE UNTIL
REVISION OF LICENSE IS RECEIVED. * * *

Wal 73.4

?

WALLACE E. JOHNSON, CHIEF BROADCAST BUREAU
FCC

2-2-77

ROUTING	
<input checked="" type="checkbox"/>	AEC
<input type="checkbox"/>	DAP
<input type="checkbox"/>	TAW
<input type="checkbox"/>	CMD
<input type="checkbox"/>	
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<input type="checkbox"/>	
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<input type="checkbox"/>	
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KWKH-

cont. Please check to determine
if the numbers dovetail
with our statement

SECURITY CLASSIFICATION	
PAGE NO. 12	NO. OF PGS.

File No.: BR-452

Call Sign: K W K H

Date: 1-6-77

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-N

No. and Type of Elements: Three guyed, uniform cross-section, vertical radiators, a 54' FM antenna included in the height of the southwest tower. A 12 bay FM antenna also side-mounted on SW(#3) tower.

Height above Insulators: Northeast and center, 478'; Southwest, 444' (including FM antenna).

Overall Height: Northeast and center, 484'; Southwest, 450'.

Spacing and Orientation: 279' (115.3°) between adjacent towers. Line of towers bears 25° true.

Non-Directional Antenna: Center tower with northeast and southwest towers grounded. Ground System consists of 120 equally-spaced, buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2. THEORETICAL SPECIFICATIONS

Tower	Northeast (1)	Center (2)	Southwest (3)
Phasing:	90°	0°	-90°

Field Ratio:	1.0	1.835	1.0
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3. OPERATING SPECIFICATIONS

Phase Indication*:	96.0°	0°	-102°
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Antenna Base Current Ratio:	1.0	2.75	2.05
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Antenna Monitor Sample

Current Ratio:	1.0	1.90	1.115
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*As indicated by RCA WM-30-A antenna monitor

BR-452

K W K H

1-6-77

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.2 miles north along Gamm Road, 0.15 mile east along Self Road. Point is 200' south of Self Road in a pasture. The distance is 2.77 miles from the center tower of the KWKH array. The field intensity measured at this point should not exceed 42.0 mv/m.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 21.0 mv/m.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 54.0 mv/m.

BR-452

K W K H

1-6-77

This application is granted subject to the condition that the licensee submit to the Renewal Branch on or before February 1, 1978, and with its next renewal application, the following information:

- (a) A list of employees as of February 1, 1978 and January 1, 1979 by job title with part-time or full-time status indicated (ranked from highest paid to lowest paid), date of hire, sex, and race or national origin;
- (b) A list of persons hired from the date of this order to February 1, 1978, and from February 1, 1978 to January 1, 1979 indicating their job title and part-time or full-time status, date of hire, sex, and race or national origin; and
- (c) Details concerning the station's efforts to recruit for each position filled during the periods noted in (b) above, including identification of sources used for the purpose of increasing the station's pool of minority and female applicants.

United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Street, P.O. Box 1130, Shreveport, Louisiana, 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)
KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign: KFY-363

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



JUN 1 1979
Federal Communications Commission

Vincent J. Mullins
Date: 2 May 1979 Secretary

United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)
KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign:
KGN-258

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



JUN 1 1979
Federal Communications Commission

Vincent J. Mullins
Date: 12 MAY 1979 Secretary

United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Street, P.O. Box 1130, Shreveport, Louisiana, 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)
KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign: KGN-259

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



JUN 1 1979
Federal Communications Commission

Vincent J. Mullins
Date: 12 MAY 1979 Secretary

United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana, 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)
KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign:
KJ-4323

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



JUN 1 1979
Federal Communications Commission

Vincent J. Mullins
Date: 12 MAY 1979 Secretary

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) **Petroleum Tower, Texas and Edwards Street, P.O. Box 1130, Shreveport, Louisiana, 71120**

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)
KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign:
KJ-4324

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:

JUN 1 1979



Federal Communications Commission

Vincent J. Mullins

Date: *3.9.1979* Secretary

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) **Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120**

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)
KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign:
KJ-4325

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:

JUN 1 1979



Federal Communications Commission

Vincent J. Mullins

Date: *3.9.1979* Secretary

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) **Petroleum Tower, Texas and Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120**

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)
KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign:
KJ-4326

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:

JUN 1 1979



Federal Communications Commission

Vincent J. Mullins

Date: *3.9.1979* Secretary

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) **Petroleum Tower, Texas and Edwards Streets, P.O. Box 1130, Shreveport, Louisiana, 71120**

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)
KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign:
KJ-4327

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:

JUN 1 1979



Federal Communications Commission

Vincent J. Mullins

Date: *3.9.1979* Secretary

FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D.C. 20554

January 6, 1977

IN REPLY REFER TO:

8840-DW

International Broadcasting Corporation
Radio Station K W K H
Shreveport, Louisiana 71102

Gentlemen:

This has reference to an application to determine power by the direct method and the associated engineering report prepared by the firm of A. Earl Cullum, Jr., Associates, concerning a readjustment of the directional antenna system of radio station KWKH, Shreveport, Louisiana.

Examination of the data appears to indicate substantial agreement of the present operation with the authorized pattern.

Operation of the station should be conducted with the directional antenna system adjusted and maintained in accordance with the enclosed specifications pending issuance of a revised license. It is requested that you advise the Commission of any discrepancies noted therein.

Sincerely yours,

(S) Martin I. Levy

Martin I. Levy, Chief
Broadcast Facilities Division
Broadcast Bureau

Enclosure

cc: Dempsey & Koplovitz
A. Earl Cullum, Jr., & Assoc.

1-10-77

ROUTING

1	AEC	
	DAP	
	TAW	
2	CMD	

KWKH-A28

Jan. 1976

SPEC FOR DIRECTIONAL OPERATION OF K-W-K-H, Shreveport, Louisiana

Freq. 1130 kHz Nominal Power: 50 kW, DA-N, U

Antenna Input Power: 50 kW Day, 52.6 kW Night

Date: 1/4/77

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-

No. and Type of Elements:

Three guyed, uniform cross-section, vertical radiators, a 54' FM antenna included in the height of the southwest tower. A 12 bay FM antenna also side-mounted on SW(#3) tower.

Height above Insulators:

Northeast and center, 478'; Southwest, 444' (including FM antenna).

Overall Height:

Northeast and center, 484'; Southwest, 450'.

Spacing and Orientation:

279' (115.3°) between adjacent towers. Line of towers bears 25° true.

Non-Directional Antenna:

Ground System consists of

Center tower with northeast and southwest towers grounded. 120 equally-spaced, buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	Northeast (1)	Center (2)	Southwest (3)
		90°	0°	-90°

Field Ratio:		1.0	1.835	1.0
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3. OPERATING SPECIFICATIONS

Phase Indication*:		96.0°	0°	-102°
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Antenna Base

Current Ratio:		1.0	2.75	2.05
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Antenna Monitor Sample

Current Ratio:		1.0	1.90	1.115
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*As indicated by RCA WM-30-A antenna monitor

The field intensity in mV/m measured at the described monitoring points is not to exceed the following values:

2° true - 42.0 mV/m
 57° true - 21.0 mV/m
 316° true - 54.0 mV/m

TELEGRAPHIC MESSAGE

NAME OF AGENCY FEDERAL COMMUNICATIONS COMMISSION		PRECEDENCE ACTION: INFO: NL	SECURITY CLASSIFICATION
ACCOUNTING CLASSIFICATION COLLECT		DATE PREPARED 12/28/76 10:25	TYPE OF MESSAGE <input type="checkbox"/> SINGLE <input type="checkbox"/> BOOK <input type="checkbox"/> MULTIPLE-ADDRESS
FOR INFORMATION CALL			
NAME Dennis Williams Aural Existing Facilities Branch	PHONE NUMBER 632-7010		
THIS SPACE FOR USE OF COMMUNICATION UNIT			

MESSAGE TO BE TRANSMITTED (Use double spacing and all capital letters)

TO:

INTERNATIONAL BROADCASTING CORPORATIO N
RADIO STATION K W K H (PHONE & MAIL)
SHREVEPORT, LOUISIANA

REFERENCE 8840-DW. RELET ATTY 7-8-74. AUTHORITY GRANTED KWKH
RESUME DIRECT MEASUREMENT OPERATING POWER WITH PARAMETERS SPECIFIED
IN REFERENCED ENGINEERING REPORT PENDING ISSUANCE REVISED AUTHORIZATION.
ANTENNA AND COMMON POINT CURRENTS 22.9 AND 12.1 AMPERES X RESPECTIVELY.

WALLACE E. JOHNSON, CHIEF, BROADCAST BUREAU
FCC

From FCC

12-31-76

ROUTING	
1	AEC <input checked="" type="checkbox"/>
	DAP
	TAW
	CMD <input type="checkbox"/>

KWKH-ADD

SECURITY CLASSIFICATION	
PAGE NO.	NO. OF PGS.

STANDARD BROADCAST STATION LICENSE

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

INTERNATIONAL BROADCASTING CORPORATION

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 JUNE 1, 1976

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

1. On a frequency of 1130 kHz.

2. With nominal power of 50 kilowatts nighttime and 50 kilowatts daytime,

with antenna input power of 52.6 kilo watts - directional [Common point

antenna nighttime [Common point

and antenna input power of 50 kilowatts nondirectional [Antenna

antenna daytime [Antenna

current 12.1 amperes

resistance 357 ohms,

current 22.9 amperes

resistance 95 ohms

3. During the following period or periods of time: Unlimited-

Average hours of sunrise and sunset:

Jan. 7:15am to 5:30pm; Feb. 7:00am to 6:00pm;

Mar. 6:30am to 6:15pm; Apr. 5:45am to 6:45pm;

May 5:15am to 7:00pm; June 5:00am to 7:30pm;

July 5:15am to 7:30pm; Aug. 5:45am to 7:00pm;

Sep. 6:00am to 6:30pm; Oct. 6:15am to 5:45pm;

Nov. 6:45am to 5:15pm; Dec. 7:15am to 5:15pm;

Central Standard Time (non-advanced).

4. With the station located at: Shreveport, Louisiana

5. With the main studio located at:

Petroleum Tower, Texas and Edwards Sts.

Shreveport, Louisiana

6. The apparatus herein authorized to be used and operated is located at: North Latitude: 32° 42' 18" ✓

Gamm Road West Longitude: 93° 52' 55"

Near Dixie, Louisiana

7. Transmitter(s): RCA, BTA-50-F1

(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: 1, 3, 12* and 21.

~~8. Obstruction~~ *Modified to require side lights at the 375', 275', 175' and 75' levels.

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: May 31, 1973

Don F. Waples
Secretary

vsl

OBSTRUCTION MARKING AND LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES

It is to be expressly understood that the issuance of these 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.

PAINTING¹

1 Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1½ feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.

TOP LIGHTING

2 There shall be installed at the top of the tower at least two 100-, 107 or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes. The two lights shall burn simultaneously from sunset to sunrise and shall be positioned so as to insure unobstructed visibility of at least one of the lights from aircraft at any normal angle of approach. A light sensitive control device or an astronomic dial clock and time switch may be used to control the obstruction lighting in lieu of manual control. When a light sensitive device is used it should be adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

3 There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 500-, 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.

INTERMEDIATE LIGHTING (BEACONS)

4 At approximately one-half of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of the tower at the prescribed height.

5 At approximately two-fifths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

6 On levels at approximately two-thirds and one-third of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

7 On levels at approximately four-sevenths and two-sevenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

8 On levels at approximately three-fourths, one-half and one-fourth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of the beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

9 On levels at approximately two-thirds, four-ninths and two-ninths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10 On levels at approximately four-fifths, three-fifths, two-fifths and one-fifth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.1 On levels at approximately eight-elevenths, six-elevenths, four-elevenths and two elevenths of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft

at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally

¹Antenna structures constructed prior to November 1, 1970 shall conform to these painting specifications when next repainted but in no event later than Nov. 1, 1977 (Sec. 17.43).

opposite corners or opposite sides of the tower at the prescribed height.

10.2 On levels at approximately five-sixths, two-thirds, one-half, one-third and one-sixth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.3 On levels at approximately ten-thirteenths, eight-thirteenths, six-thirteenths, four-thirteenths and two-thirteenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.4 On levels at approximately six-sevenths, five-sevenths, four-sevenths, three-sevenths, two-sevenths and one-seventh of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

(SIDE LIGHTS)

11 At the approximate mid point of the over-all height of the tower there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red 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 normal angle of approach.

12 On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red 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 normal angle of approach.

13 On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

14 On levels at approximately four-fifths, three-fifths and one-fifth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

15 On levels at approximately five-sixths, one-half, and one-sixth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

16 On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

17 On levels at approximately seven-eighths, five-eighths, three-eighths and one-eighth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

18 On levels at approximately eight-ninths, seven-ninths, five-ninths, one-third and one-ninth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19 On levels at approximately nine-tenths, seven-tenths, one-half, three-tenths and one-tenth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.1 On levels at approximately ten-elevenths, nine-elevenths, seven-elevenths, five-elevenths, three-elevenths and one-eleventh of the

over-all height of the tower at least one 100-, 107-, or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.2 On levels at approximately eleven-twelfths, three-fourths, seven-twelfths, five-twelfths, one-fourth and one-twelfth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.3 On levels at approximately twelve-thirteenths, eleven-thirteenths, nine-thirteenths, seven-thirteenths, five-thirteenths, three-thirteenths and one-thirteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.4 On levels at approximately thirteen-fourteenths, eleven-fourteenths, nine-fourteenths, one-half, five-fourteenths, three-fourteenths and one-fourteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

20 All lighting shall be exhibited from sunset to sunrise unless otherwise specified.

21 All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.

22 During construction of an antenna structure, for which obstruction lighting is required, at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any normal angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

File No.: BR-452

Call Sign: K W K H

Date: 5-31-73

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-N

No. and Type of Elements: Three guyed, uniform cross-section, vertical radiators. A 54' FM antenna included in the height of the southwest tower.

Height above Insulators: Northeast and center, 478'; Southwest, 444' (including FM antenna).

Overall Height: Northeast and center, 484'; Southwest, 450'.

Spacing and Orientation: 279' (115.3°) between adjacent towers. Line of towers bears 25° true.

Non-Directional Antenna: Center tower with northeast and southwest towers grounded. Ground System consists of 120 equally-spaced, buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2. THEORETICAL SPECIFICATIONS

	<u>Northeast Tower (1)</u>	<u>Center Tower (2)</u>	<u>Southwest Tower (3)</u>
Phasing:	90°	0°	-90°

Field Ratio:	1.0	1.835	1.0
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3. OPERATING SPECIFICATIONS

Phase Indication*:	95.5°	0°	-103°
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Antenna Base	0.36	1.0	0.75
Current Ratio:	1.0	2.77	2.07

Antenna Monitor Sample
Current Ratio:

0.52	1.0	0.59
1.0	1.94	1.15

*As indicated by RCA WM-30-A

antenna monitor.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.2 miles north along Gamma Road, 0.15 mile east along Self Road. Point is 200' south of Self Road in a pasture. The distance is 2.77 miles from the center tower of the KWKH array. The field intensity measured at this point should not exceed 42.3 mV/m.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamma Road, 1.73 miles north along U. S. Highway 71, 0.25 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 24 mV/m.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamma Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 73.4 mV/m.

FCC Form 313-R
July 1970

United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting
Corporation

2. Mailing address (Number, Street, City, State,
and ZIP Code) Petroleum Tower,
Texas & Edwards Streets,
P.O. Box 1130, Shreveport,
Louisiana, 71120

3. Broadcast station with which auxiliary station
used. (Call Sign, City, State)
KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign:
KJ-4323

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:

JUL 1 1976



Federal Communications Commission

Date: MAY 31 1976 Secretary

FCC Form 313-R
July 1970

United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

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P.O. Box 1130, Shreveport,
Louisiana, 71120

3. Broadcast station with which auxiliary station
used. (Call Sign, City, State)

KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign:
KJ-4324

NOT VALID UNLESS POSTED WITH LICENSE

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Federal Communications Commission

Date: MAY 31 1976 Secretary


United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee International Broadcasting Corporation	NOT VALID UNLESS POSTED WITH LICENSE THIS SPACE FOR COMMISSION USE ONLY This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended. This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending: 1976
2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120	 Federal Communications Commission Date: NOV 2 1970 Secretary
3. Broadcast station with which auxiliary station used. (Call Sign, City, State) KWKH (AM), KROK (FM) Shreveport, Louisiana	
4. Auxiliary Call Sign: KJ-4325	

United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee International Broadcasting Corporation	NOT VALID UNLESS POSTED WITH LICENSE THIS SPACE FOR COMMISSION USE ONLY This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization 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, as amended. This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending: JUN 1 1976
2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120	 Federal Communications Commission Date: NOV 31 1970 Secretary <i>Don F. [Signature]</i>
3. Broadcast station with which auxiliary station used. (Call Sign, City, State) KWKH (AM), KROK (FM) Shreveport, Louisiana	
4. Auxiliary Call Sign: KJ-4326	

United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

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2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Streets, P.O. Box 1130, Shreveport, Louisiana, 71120	 Federal Communications Commission Date: NOV 31 1970 Secretary <i>Don F. [Signature]</i>
3. Broadcast station with which auxiliary station used. (Call Sign, City, State) KWKH (AM), KROK (FM) Shreveport, Louisiana	
4. Auxiliary Call Sign: KJ-4327	

FCC Form 313-R
July 1970

United States of America
Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

NOT VALID UNLESS POSTED WITH LICENSE

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This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



Federal Communications Commission

Date: 4/3/76 Secretary:

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Street P.O. Box 1130, Shreveport, Louisiana, 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign: KFY-363

FCC Form 313-R
July 1970

United States of America
Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

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This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



Federal Communications Commission

Date: MAY 31 1976 Secretary: Ben F. [Signature]

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign: KRU-73

FCC Form 313-R
July 1970

United States of America
Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

NOT VALID UNLESS POSTED WITH LICENSE

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This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



Federal Communications Commission

Date: 4/3/76 Secretary:

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign: KGN-258

FCC Form 313-R
July 1970

United States of America
Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee
International Broadcasting Corporation

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

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This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



Federal Communications Commission

Date: MAY 31 1976 Secretary: [Signature]

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Street, P.O. Box 1130, Shreveport, Louisiana, 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM)
Shreveport, Louisiana

4. Auxiliary Call Sign: KGN-259

CC: A. Earl Cullum, Jr. & Associates

FCC Form 392
May 1972

Att: Mr. T. A. Wright

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D. C. 20554

Call Letters

K W K H

KWKH

EMERGENCY BROADCAST SYSTEM AUTHORIZATION

Under Section 2.407 of the Commission's Rules, the Broadcast Station described below may be used and operated for the purpose of participating in the Emergency Broadcast System during an Emergency Action Condition, in accordance with the requirements hereinafter set forth, and Subpart G of Part 73 of the Commission's Rules.

Name of Licensee: INTERNATIONAL BROADCASTING CORPORATION

Station Location:

City: Shreveport

State: Louisiana

Conditions of operation: All operation under this authority shall be in accordance with the terms and conditions of the current normal license of the station, or as specifically provided in the Detailed State Emergency Broadcast System (EBS) Operational Plan.

Licensed operator requirements: The licensed operator requirements applicable to operation of the station under its regular station license shall apply to operation under this authorization.

Term of authorization: This authorization may be changed or cancelled by the Commission at any time without the necessity of a hearing if in the judgment of the Commission such change or cancellation is necessary.

Expiration date: The authority herein granted shall expire with the expiration of the current normal license of the station. Unless surrendered by the holder or suspended, modified, or withdrawn by the Commission, this authorization shall have continuing and renewed effect under succeeding license renewals.

Effective date: May 25, 1972

FEDERAL COMMUNICATIONS COMMISSION

Ron F. Waples

Secretary



KWKH

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BR-452
Call Letters KWKH

STANDARD BROADCAST STATION LICENSE
RENEWAL AND MODIFICATION

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

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning June 1, 1970 and ending June 1, 1973
(3 a.m., Local Time) (3 a.m., Local Time)

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

1. On a frequency of 1130 kc.
2. With 50 kilowatts power - directional antenna nighttime

<u>Common Point</u>	current, <u>12.1</u>	amperes
<u>Common Point</u>	resistance, <u>339</u>	ohms
<u>Antenna</u>	current, <u>22.9</u>	amperes
<u>Antenna</u>	resistance, <u>95</u>	ohms

and 50 kilowatts power non directional antenna daytime

3. During the following period or periods of time: Unlimited time.

Average hours of sunrise and sunset:

Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;
Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm;
May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;
July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;
Sept. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm;
Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;

4. With the station located at: Central Standard Time (non-advanced)

Shreveport, Louisiana

5. With the main studio located at:
Petroleum Tower, Texas and Edwards Sts.
Shreveport, Louisiana

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

Gann Road

Near Dixie, Louisiana

North Lat. 32 ° 42 ' 18 "
West Long. 93 ° 52 ' 55 "

and is described as follows: RCA, Type No. BTA-50-F1

(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* and 21 of FCC Form 715 attached. *Modified to require side lights at the 375', 275', 175' and 75' levels.

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 attached to license BR-452 dated 4-14-54. This supersedes authorization issued same date to correct coordinates.

Dated: May 27, 1970

FEDERAL COMMUNICATIONS COMMISSION,



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

Ron F. Waple
Secretary

OBSTRUCTION MARKING AND LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES

It is to be expressly understood that the issuance of these 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.

PAINTING¹

1 Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1½ feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.

TOP LIGHTING

2 There shall be installed at the top of the tower at least two 100-, 107 or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes. The two lights shall burn simultaneously from sunset to sunrise and shall be positioned so as to insure unobstructed visibility of at least one of the lights from aircraft at any normal angle of approach. A light sensitive control device or an astronomical dial clock and time switch may be used to control the obstruction lighting in lieu of manual control. When a light sensitive device is used it should be adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

3 There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 500-, 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.

INTERMEDIATE LIGHTING (BEACONS)

4 At approximately one-half of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

5 At approximately two-fifths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

6 On levels at approximately two-thirds and one-third of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

7 On levels at approximately four-sevenths and two-sevenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

8 On levels at approximately three-fourths, one-half and one-fourth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

9 On levels at approximately two-thirds, four-ninths and two-ninths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10 On levels at approximately four-fifths, three-fifths, two-fifths and one-fifth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.1 On levels at approximately eight-elevenths, six-elevenths, four-elevenths and two elevenths of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

11 On levels at approximately one-eighth, three-eighths, five-eighths and seven-eighths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

¹Antenna structures authorized prior to November 1, 1970 shall conform to these painting specifications when next repainted but in no event later than Nov. 1, 1977 (Sec. 17.43).

THIS FORM IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION

opposite corners or opposite sides of the tower at the prescribed height.

10.2 On levels at approximately five-sixths, two-thirds, one-half, one-third and one-sixth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.3 On levels at approximately ten-thirteenths, eight-thirteenths, six thirteenths, four-thirteenths and two-thirteenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.4 On levels at approximately six-sevenths, five-sevenths, four-sevenths, three-sevenths, two-sevenths and one-seventh of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

(SIDE LIGHTS)

11 At the approximate mid point of the over-all height of the tower there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red 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 normal angle of approach.

12 On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red 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 normal angle of approach.

13 On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

14 On levels at approximately four-fifths, three-fifths and one-fifth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

15 On levels at approximately five-sixths, one-half, and one-sixth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

16 On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

17 On levels at approximately seven-eighths, five-eighths, three-eighths and one-eighth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

18 On levels at approximately eight-ninths, seven-ninths, five-ninths, one-third and one-ninth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19 On levels at approximately nine-tenths, seven-tenths, one-half, three-tenths and one-tenth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.1 On levels at approximately ten-elevenths, nine-elevenths, seven-elevenths, five-elevenths, three-elevenths and one-eleventh of the

over-all height of the tower at least one 100-, 107-, or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.2 On levels at approximately eleven-twelfths, three-fourths, seven-twelfths, five-twelfths, one-fourth and one-twelfth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.3 On levels at approximately twelve-thirteenths, eleven-thirteenths, nine-thirteenths, seven-thirteenths, five-thirteenths, three-thirteenths and one-thirteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.4 On levels at approximately thirteen-fourteenths, eleven-fourteenths, nine-fourteenths, one-half, five-fourteenths, three-fourteenths and one-fourteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

20 All lighting shall be exhibited from sunset to sunrise unless otherwise specified.

21 All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.

22 During construction of an antenna structure, for which obstruction lighting is required, at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any normal angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

F.C.C.—WASHINGTON D C

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BR-452
Call Letters K W K H

STANDARD BROADCAST STATION LICENSE
RENEWAL AND MODIFICATION

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

INTERNATIONAL 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 June 1, 1970 and ending June 1, 1973
(3 a.m., Local Time) (3 a.m., Local Time)

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

1. On a frequency of 1130 kc.
2. With 50 kilowatts power -- directional antenna nighttime

<u>Common Point</u>	current, <u>12.1</u> amperes
<u>Common Point</u>	resistance, <u>330</u> ohms

and 50 kilowatts power non directional antenna daytime

<u>Antenna</u>	current, <u>22.9</u> amperes
<u>Antenna</u>	resistance, <u>95</u> ohms

3. During the following period or periods of time: Unlimited time.
Average hours of sunrise and sunset:

Jan. 7:15am to 5:30pm; Feb. 7:00am to 6:00pm;
Mar. 6:30am to 6:15pm; Apr. 5:45am to 6:45pm;
May 5:15am to 7:00pm; June 5:00am to 7:30pm;
July 5:15am to 7:30pm; Aug. 5:45am to 7:00pm;
Sep. 6:00am to 6:30pm; Oct. 6:15am to 5:45pm;
Nov. 6:45am to 5:15pm; Dec. 7:15am to 5:15pm;

Central Standard Time (non-advanced)

4. With the station located at:

Shreveport, Louisiana

5. With the main studio located at:
Petroleum Tower, Texas and Edwards Streets
Shreveport, Louisiana

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

Gamm Road

Near Dixie, Louisiana

North Lat. 32° 42' ^{18"}
West Long. 93° 52' ^{55"}

and is described as follows: RCA MFG. CO., Type BTA-50-F1, 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 markings specifications in accordance with paragraphs 1, 3, 12* and 21 of FCC Form 715 attached.

*Modified to require side lights at the 375', 275', 175' and 75' levels.

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 attached to license BR-452 dated 4-14-54.

Dated: May 27, 1970

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FEDERAL COMMUNICATIONS COMMISSION,

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

Ben F. Waple
Secretary

ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

It is to be expressly understood that the issuance of these 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.

PAINTING

1 Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 40 feet nor less than 1½ feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.

TOP LIGHTING

2 There shall be installed at the top of the tower at least two 100-, 107 or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes. The two lights shall burn simultaneously from sunset to sunrise and shall be positioned so as to insure unobstructed visibility of at least one of the lights from aircraft at any normal angle of approach. A light sensitive control device or an astronomical dial clock and time switch may be used to control the obstruction lighting in lieu of manual control. When a light sensitive device is used it should be adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

3 There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 500-, 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.

INTERMEDIATE LIGHTING (BEACONS)

4 At approximately one-half of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of the tower at the prescribed height.

5 At approximately two-fifths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

6 On levels at approximately two-thirds and one-third of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

7 On levels at approximately four-sevenths and two-sevenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

8 On levels at approximately three-fourths, one-half and one-fourth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of the beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

9 On levels at approximately two-thirds, four-ninths and two-ninths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10 On levels at approximately four-fifths, three-fifths, two-fifths and one-fifth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.1 On levels at approximately eight-elevenths, six-elevenths, four-elevenths and two elevenths of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft

at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally

opposite corners or opposite sides of the tower at the prescribed height.

10.2 On levels at approximately five-sixths, two-thirds, one-half, one-third and one-sixth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.3 On levels at approximately ten-thirteenths, eight-thirteenths, six thirteenths, four-thirteenths and two-thirteenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.4 On levels at approximately six-sevenths, five-sevenths, four-sevenths, three-sevenths, two-sevenths and one-seventh of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

(SIDE LIGHTS)

11 At the approximate mid point of of the over-all height of the tower there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red 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 normal angle of approach.

12 On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red 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 normal angle of approach.

13 On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

14 On levels at approximately four-fifths, three-fifths and one-fifth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

15 On levels at approximately five-sixths, one-half, and one-sixth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

16 On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

17 On levels at approximately seven-eighths, five-eighths, three-eighths and one-eighth of the over-all height of the tower, at least one 100-, 107 or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

18 On levels at approximately eight-ninths, seven-ninths, five-ninths, one-third and one-ninth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

19 On levels at approximately nine-tenths, seven-tenths, one-half, three-tenths and one-tenth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

19.1 On levels at approximately ten-elevenths, nine-elevenths, seven-elevenths, five-elevenths, three-elevenths and one-eleventh of the

over-all height of the tower at least one 100-, 107-, or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.2 On levels at approximately eleven-twelfths, three-fourths, seven-twelfths, five-twelfths, one-fourth and one-twelfth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.3 On levels at approximately twelve-thirteenths, eleven-thirteenths, nine-thirteenths, seven-thirteenths, five-thirteenths, three-thirteenths and one-thirteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

19.4 On levels at approximately thirteen-fourteenths, eleven-fourteenths, nine-fourteenths, one-half, five-fourteenths, three-fourteenths and one-fourteenth of the over-all height of the over-all height of the tower at least one 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

20 All lighting shall be exhibited from sunset to sunrise unless otherwise specified.

21 All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.

22 During construction of an antenna structure, for which obstruction lighting is required, at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any normal angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

NATIONAL DEFENSE EMERGENCY AUTHORIZATION

RENEWAL

Under Section 2.407 of the Commission's Rules, the Broadcast Station described below may be used and operated for the purpose of participating in the Emergency Broadcast System during an Emergency Action Condition, in accordance with the requirements hereinafter set forth, and Subpart G of Part 73 of the Commission's Rules.

Name of Licensee: **INTERNATIONAL BROADCASTING CORPORATION**

Station Location:

City SHREVEPORT State LOUISIANA

Station identification: No broadcast of call letters of the station shall be made during an Emergency Action Condition. Area identification shall be given.

Conditions of operation: ALL OPERATION UNDER THIS AUTHORITY (FREQUENCY, POWER, HOURS OF OPERATION) SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE CURRENT NORMAL LICENSE OF THE STATION.

Licensed operator requirements: The licensed operator requirements applicable to operation of the station under its regular station license shall apply to operation under this authorization.

Term of authorization: This authorization may be changed or cancelled by the Commission at any time without the necessity of a hearing if in the judgment of the Commission such change or cancellation is necessary.

Expiration date: The authority herein granted shall expire with the expiration of the current normal license of the station.

Effective date: **June 1, 1970**

FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Wolfe

Secretary,



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UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
STANDARD BROADCAST STATION LICENSE

File No. BR-452
Call Letters KWKH

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

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning June 1, 1967, and ending June 1, 1970
(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 1130 kc.

2. With 50 kilo watts power - directional antenna nighttime [Common point current, 12.1 amperes
Common point resistance, 339 ohms

and 50 kilowatts power NON directional antenna daytime [Antenna current, 22.9 amperes
Antenna resistance, 95 ohms

3. During the following period or periods of time: Unlimited time.

Average hours of local sunrise and sunset:

Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;
Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm;
May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;
July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;
Sep. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm;
Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;

4. With the station located at: Central Standard Time.

Shreveport, Louisiana

5. With the main studio located at:

Petroleum Tower
Texas and Edwards Streets

Shreveport, Louisiana

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

Gann Road

Dixie, Louisiana

North Lat. 32° 42' 15"
West Long. 93° 52' 52"

and is described as follows: RCA MFG. CO., Type BTA-50-F1, 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*, and 21 of FCC Form 715 attached. (Modified to require side lights at the 375, 275, 175, and 75 foot levels).

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 attached to license BR-452 dated

Dated: May 22, 1967 4-11-54.

WJ

FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Waples
Secretary

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

File No. BB-452Call Letters KW KHDate 4-14-54

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- 1

No. and Type of Elements:

Three guyed, uniform cross section, vertical radiators. A 54' FM antenna included in the height of the southwest tower.

Height above Insulators:

Northeast and center, 478'; Southwest, 444' (including FM antenna).

Overall Height:

Northeast and center, 484'; Southwest, 450'.

Spacing and Orientation:

279' (115.3°) between adjacent towers.
Line of towers bears 25° true.

Non-Directional Antenna:

Center tower with northeast and southwest towers grounded.

Ground System consists of 120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2. THEORETICAL SPECIFICATIONS

Phasing:

Northeast
Tower (1)
 90° Center
Tower (2)
 0° Southwest
Tower (3)
 -90°

Field Ratio:

1.0

1.835

1.0

3. OPERATING SPECIFICATIONS

Phase Indication:*

 95.5° 0° -103° Antenna Base Current
Ratio:

1.0

2.77

2.07

Phase Monitor Sample
Current Ratio:

1.0

1.9%

1.15

*As indicated by RCA WM-30-A 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

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.2 miles north along Gamm Road, 0.15 mile east along Self Road. Point is 200' south of Self Road in a pasture. The distance is 2.77 miles from the center tower of the KWKH array. The field intensity measured at this point should not exceed 42.3 mv/m.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 24 mv/m.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 73.4 mv/m.

NATIONAL DEFENSE EMERGENCY AUTHORIZATION
(RENEWAL)

Under Section 2.407 of the Commission's Rules, the Broadcast Station described below may be used and operated for the purpose of participating in the Emergency Broadcast System during an Emergency Action Condition, in accordance with the requirements hereinafter set forth, and Subpart G of Part 73 of the Commission's Rules.

Name of Licensee: INTERNATIONAL BROADCASTING CORPORATION

Station Location:

City Shreveport State Louisiana

Station identification: No broadcast of call letters of the station shall be made during an Emergency Action Condition. Area identification shall be given.

Conditions of operation: ALL OPERATION UNDER THIS AUTHORITY (FREQUENCY, POWER, HOURS OF OPERATION) SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE CURRENT NORMAL LICENSE OF THE STATION.

Licensed operator requirements: The licensed operator requirements applicable to operation of the station under its regular station license shall apply to operation under this authorization.

Term of authorization: This authorization may be changed or cancelled by the Commission at any time without the necessity of a hearing if in the judgment of the Commission such change or cancellation is necessary.

Expiration date: The authority herein granted shall expire with the expiration of the current normal license of the station.

Effective date: June 1, 1967

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FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Waple

Secretary



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRST-168
Call Letters KRU-73

CERTIFICATE OF RENEWAL OF LICENSE

AURAL STL

(Class of station)

International Broadcasting Corporation
Petroleum Tower, Texas & Edwards Street
Station KWKH, KWKH-FM
P. O. Box 1130
Shreveport, Louisiana 71102

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLST-319

License term ending 6-1-70
(3 a.m. Local time)

Licensee **INTERNATIONAL BROADCASTING CORPORATION**

Associated Broadcast Station KWKH
KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 1973.
(3 a.m. Local Time)

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.

MAY 27 1970

Dated _____



JET

FEDERAL COMMUNICATIONS COMMISSION

Ben F. Waple
Secretary

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-11074
Call Letters KGK-258

CERTIFICATE OF RENEWAL OF LICENSE
REMOTE PICKUP BASE

(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12855

License term ending 6-1-67
(3 a.m. Local time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending June 1, 1973.
(3 a.m. Local Time)

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.

Dated MAY 27 1970



JET

FEDERAL COMMUNICATIONS COMMISSION

Ben F. Waple
Secretary

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-11075
Call Letters KGN-259

CERTIFICATE OF RENEWAL OF LICENSE
REMOTE PICKUP BASE
(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12856

License term ending 6-1-67
(3 a.m. Local time)

Licensee **INTERNATIONAL BROADCASTING CORPORATION**

Associated Broadcast Station KWKH Shreveport Louisiana
KWKH-FM Call letters City State

This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending June 1, 1973.
(3 a.m. Local Time)

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.

Dated MAY 27 1970



JET

FEDERAL COMMUNICATIONS COMMISSION

Ben F. Wolfe
Secretary

RADIO BROADCAST STATION LICENSE

REMOTE PICKUP MOBILE

(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning JUN 1 1970 (3 a.m. Local time), and ending June 1, 1973 (3 a.m. Local time) only in accordance with the following terms:

1. Frequencies: 161.64, 161.76 mhz.

2. Frequency tolerance: .005%

3. Types of emission: 30F3

4. With an output power not in excess of 30 watts.

5. Hours of operation — Unlimited

6. Transmitter location (if base station): State _____ County _____

City or Town _____

Street and number _____

North Latitude: Degrees _____ Minutes _____ Seconds _____

West Longitude: Degrees _____ Minutes _____ Seconds _____

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

G. E.

ET-57A

30 watts

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

DATED MAY 27 1970



JET

F.C.C. - WASHINGTON, D. C.

FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Wolfe

Secretary.

RADIO BROADCAST STATION LICENSE

REMOTE PICKUP MOBILE

(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning JUN 1 1970, and ending June 1, 1973 only in accordance
(3 a.m. Local time) (3 a.m. Local time)

with the following terms:

1. Frequencies: 161.64, 161.76 mhz.

2. Frequency tolerance: .005%

3. Types of emission: 30F3 ✓

4. With an output power not in excess of 30 watts. ✓

5. Hours of operation - Unlimited

6. Transmitter location (if base station): State _____ County _____

City or Town _____

Street and number _____

North Latitude: Degrees _____ Minutes _____ Seconds _____

West Longitude: Degrees _____ Minutes _____ Seconds _____

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

G. E.

ET-57A

30 watts ✓

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

MAY 27 1970

DATED

JET



FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Wolfe

F.C.C. - WASHINGTON, D. C.

Secretary.

RADIO BROADCAST STATION LICENSE

REMOTE PICKUP MOBILE

(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning JUN 1 1970, and ending June 1, 1973 only in accordance

(3 a.m. Local time)

(3 a.m. Local time)

with the following terms:

1. Frequencies: 161.64, 161.76 mhz. ✓

2. Frequency tolerance: .005%

3. Types of emission: 30F3 ✓

4. With an output power not in excess of 30 watts. ✓

5. Hours of operation — Unlimited

6. Transmitter location (if base station): State _____ County _____

City or Town _____

Street and number _____

North Latitude: Degrees _____ Minutes _____ Seconds _____

West Longitude: Degrees _____ Minutes _____ Seconds _____

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

G. E.

ET-57A

30 watts ✓

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

DATED MAY 27 1970

JET



F.C.C. - WASHINGTON, D. C.

FEDERAL COMMUNICATIONS COMMISSION,

John F. Waple

Secretary.

RADIO BROADCAST STATION LICENSE

REMOTE PICKUP MOBILE

(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning JUN 1 1970, and ending June 1, 1973 only in accordance with the following terms:

(3 a.m. Local time)

(3 a.m. Local time)

1. Frequencies: 161.64, 161.76 mhz. ✓

2. Frequency tolerance: .005%

3. Types of emission: 30F3 ✓

4. With an output power not in excess of 30 watts. ✓

5. Hours of operation — Unlimited

6. Transmitter location (if base station): State County

City or Town

Street and number

North Latitude: Degrees Minutes Seconds

West Longitude: Degrees Minutes Seconds

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

G. E.

ET-57A

30 watts ✓

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

MAY 27 1970

DATED



JET

F.C.C. • WASHINGTON, D. C.

FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Waple

Secretary.

RADIO BROADCAST STATION LICENSE

REMOTE PICKUP MOBILE

(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning JUN 1 1970, and ending June 1, 1973 only in accordance with the following terms: (3 a.m. Local time) (3 a.m. Local time)

1. Frequencies: 161.64, 161.76 mhz. ✓

2. Frequency tolerance: .005%

3. Types of emission: 30F3 ✓

4. With an output power not in excess of 30 watts. ✓

5. Hours of operation - Unlimited

6. Transmitter location (if base station): State _____ County _____

City or Town _____

Street and number _____

North Latitude: Degrees _____ Minutes _____ Seconds _____

West Longitude: Degrees _____ Minutes _____ Seconds _____

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

G. E.

ET-57A

30 watts ✓

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

DATED

MAY 27 1970

JET



FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Wolfe

Secretary.

F.C.C. - WASHINGTON, D. C.

RADIO BROADCAST STATION LICENSE

REMOTE PICKUP BASE

(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning JUN 1 1970 (3 a.m. Local time), and ending June 1, 1973 (3 a.m. Local time) only in accordance

with the following terms:

1. Frequencies: 161.64, 161.76 mhz. ✓

2. Frequency tolerance: .005%

3. Types of emission: 30F3

4. With an output power not in excess of 80 watts. ✓

5. Hours of operation — Unlimited

6. Transmitter location (if base station): State Louisiana County Caddo

City or Town Shreveport

Street and number Petroleum Tower, Texas & Edwards Street

North Latitude: Degrees 32 Minutes 30 Seconds 50

West Longitude: Degrees 93 Minutes 44 Seconds 55

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

G. E.

ET-58A

80 watts ✓

Antenna System: Decibel Products Co. Model No. DB-224 antenna mounted on a 20-foot mast on 181-foot building, overall height above ground 220 feet.

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

MAY 27 1970

DATED

JET



FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Waple

F.C.C. • WASHINGTON, D. C.

Secretary.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BMLRE-1821

Call Letters KFY-363

Modification No. 1

MODIFICATION OF LICENSE

REMOTE PICKUP BASE

(Class of station)

Licensee: INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH KWKH-FM Shreveport Louisiana
Call letters City State

The Authority Contained in Authorization File No. BLRE-12226
dated October 5, 1965 granted to the Licensee listed above is hereby modified in part
as follows:

To change frequencies to 16.64, 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September, 19 67.



tdh

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

FEDERAL COMMUNICATIONS COMMISSION

Ben F. Waple
Secretary

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BMLRE-1816
Call Letters KJ-4323
Modification No. 1

MODIFICATION OF LICENSE

REMOTE PICKUP MOBILE
(Class of station)

International Broadcasting Corporation
Petroleum Tower, Texas and Edwards Sts.
P. O. Box 1130
Shreveport, Louisiana 71102

Licensee:
INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH Shreveport Louisiana
KWKH-FM Call letters City State

The Authority Contained in Authorization File No. BLRE12221
dated October 5, 1965 granted to the Licensee listed above is hereby modified in part
as follows:

To change frequencies to 161.64, 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September, 19 67.



tdh

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

FEDERAL COMMUNICATIONS COMMISSION
Ben T. [Signature]
Secretary

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BMLRE-1817
Call Letters KJ-4324
Modification No. 1

MODIFICATION OF LICENSE

REMOTE PICKUP MOBILE
(Class of station)

Licensee: INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH
KWKH-FM Shreveport Louisiana
Call letters City State

The Authority Contained in Authorization File No. BIRE-12222
dated October 5, 1965 granted to the Licensee listed above is hereby modified in part
as follows:

To change frequencies to 161.64, 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September, 19 67.



tdh

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

FEDERAL COMMUNICATIONS COMMISSION

Ben F. Waple
Secretary

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BMLRE-1818

Call Letters KJ-4325

Modification No. 1

MODIFICATION OF LICENSE

REMOTE PICKUP MOBILE
(Class of station)

Licensee: INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station	<u>KWKH</u> <u>KWKH-FM</u> Call letters	<u>Shreveport</u> City	<u>Louisiana</u> State
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The Authority Contained in Authorization File No. BIRE-12223
dated October 5, 1965 granted to the Licensee listed above is hereby modified in part
as follows:

To change frequencies to 161.64, 161.76 mcs, emission 3OF3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September, 1967.



tdh

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

FEDERAL COMMUNICATIONS COMMISSION

Don F. Hinkle
Secretary

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BMLRE-1819

Call Letters KJ-4326

Modification No. 1

MODIFICATION OF LICENSE

REMOTE PICKUP MOBILE

(Class of station)

Licensee: INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH Shreveport Louisiana
KWKH-FM Call letters City State

The Authority Contained in Authorization File No. BLRE-12224
dated October 5, 1965 granted to the Licensee listed above is hereby modified in part
as follows:

To change frequencies to 161.64., 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September, 1967.



tdh

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

FEDERAL COMMUNICATIONS COMMISSION

Ben F. Waple
Secretary

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BMLRE-1820

Call Letters KJ-4327

Modification No. 1

MODIFICATION OF LICENSE

REMOTE PICKUP MOBILE
(Class of station)

Licensee: INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH KWKH-FM Shreveport Louisiana
Call letters City State

The Authority Contained in Authorization File No. BIRE-12225
dated October 5, 1965 granted to the Licensee listed above is hereby modified in part
as follows:

To change frequencies to 161.64, 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September, 19 67.



tdh

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

FEDERAL COMMUNICATIONS COMMISSION

Secretary

9/8/67

To: Mr. T. A. Wright

From: O. S. Droke, KWKH, Shreveport

The attached copy of license for
KRU-73 (Modified as of June 6, 1967)
is for your files.

O. S. Droke

9-9-67

ROUTING

AEC

DAP

JAW

CMD

MJJ

KWKH / KWKH-FM Reliance

RADIO BROADCAST STATION LICENSE

Modified as of June 6, 1967

AURAL STL

(Class of station)

Call Letters KRH-73

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning June 6, 1967, and ending June 1, 1970 only in accordance with the following terms: (3 a. m. Eastern standard time)

1. Frequencies: 942.4, 942.65 mcs.

2. Frequency tolerance: .005%

3. Types of emission: 430F3

4. With an output power not in excess of 5 watts.

5. Hours of operation - Unlimited

6. Transmitter location (if base station): State Louisiana County Caddo

City or Town Shreveport

Street and number Petroleum Tower, Texas & Edwards Street

North Latitude: Degrees 32 Minutes 30 Seconds 50

West Longitude: Degrees 93 Minutes 44 Seconds 55

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

2 Moseley

PCL-2B

8 watts

Antenna System: Two Scala PR-450 semi-parabolic antennas mounted on 20-foot pipe mast atop 14-story building, overall height above ground, 201 feet. Direction of main radiation lobe, 328.7° true.

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

DATED June 6, 1967

FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Waff

Secretary.

F.C.C. - WASHINGTON, D. C.



bt

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-11074
Call Letters KGN-258

CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP BASE (EBS)

(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12855

License term ending June 1, 1967
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 1970.
(3 a.m. eastern standard time)

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.

Dated this 22nd day of May, 1967.



rc

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

FEDERAL COMMUNICATIONS COMMISSION

Ron F. Waple
Secretary

jm

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-11075
Call Letters KGN-259

CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP BASE (EBS)

(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12856

License term ending June 1, 1967
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending June 1, 1970.
(3 a.m. eastern standard time)

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.

Dated this 22nd day of May, 1967.

FEDERAL COMMUNICATIONS COMMISSION

Ron T. Waple
Secretary

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



rc

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10437
Call Letters KFY-363

CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP BASE

(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12226

License term ending June 1, 1967
(3 a.m. eastern standard time)

Licensee **INTERNATIONAL BROADCASTING CORPORATION**

Associated Broadcast Station KWKH
KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 19 70.
(3 a.m. eastern standard time)

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.

Dated this 22nd day of May, 1967.



FEDERAL COMMUNICATIONS COMMISSION

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

Ron T. Waple
Secretary
RD

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRST-168
Call Letters KRU-73

CERTIFICATE OF RENEWAL OF LICENSE

AURAL STL
(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLST-209

License term ending June 1, 1967
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending June 1, 1970.
(3 a.m. eastern standard time)

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.

Dated this 22nd day of May, 1967.



rc

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

FEDERAL COMMUNICATIONS COMMISSION

Ben T. Waple
Secretary

W

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10432
Call Letters KJ-4323

CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP MOBILE

(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12221

License term ending June 1, 1967
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH
KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending June 1, 1970.
(3 a.m. eastern standard time)

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.

Dated this 22nd day of May, 1967.



FC

FEDERAL COMMUNICATIONS COMMISSION

Ron T. Waple
Secretary

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

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10433
Call Letters KJ-4324

CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP MOBILE

(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12222

License term ending June 1, 1967
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH KWKH-FM SHREVEPORT Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1,, 19 70.
(3 a.m. eastern standard time)

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.

Dated this 22nd day of May, 19 67.

FEDERAL COMMUNICATIONS COMMISSION

Ron T. Waple
Secretary

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



rc

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10434
Call Letters KJ-4325

CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP MOBILE

(Class of station)

International Broadcasting Corp.
Petroleum Tower
Texas and Edwards Streets
P.O. Box 1130
Shreveport, Louisiana 71102

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12223

License term ending June 1. 1967
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station WKHH Shreveport Louisiana
KWKH-FM Call letters City State

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 1970.
(3 a.m. eastern standard time)

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.

Dated this 22nd day of May, 1967.



rc

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

FEDERAL COMMUNICATIONS COMMISSION

Ron H. Waple
Secretary

W

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10435
Call Letters KJ-4326

CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP MOBILE

(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12224

License term ending June 1, 1967
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH
KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 1970.
(3 a.m. eastern standard time)

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.

Dated this 22nd day of May, 19 67.

FEDERAL COMMUNICATIONS COMMISSION

Ron T. Waple
Secretary

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



FC

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10436
Call Letters KJ-4327

CERTIFICATE OF RENEWAL OF LICENSE
REMOTE PICKUP MOBILE

(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12225

License term ending June 1, 1967
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH
KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 1970.
(3 a.m. eastern standard time)

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.



Dated this 22nd day of May, 1967.

FEDERAL COMMUNICATIONS COMMISSION

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

Ron T. Waple
Secretary

1/23/67

Milt:

The attached copies of licenses for KGN 258 and 259 are for your files. We could not recall if you had received copies of these for your files.

O. S. Droke

ROUTING

IAW	
(D)	

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCAST STATION LICENSE

CP NOT ISSUED

File No. NRK-12855

Call Letters KGN-258

Official No. 11074

REMOTE PICKUP BASE (RPS)
(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning February 28, 1966, and ending June 1, 1967 only in accordance with the following terms:

(3 a. m. Eastern standard time)

1. Frequencies: 161.64, 161.76 mcs.

2. Frequency tolerance: .005%

3. Types of emission: 30F3

4. With an output power not in excess of 25 watts.

5. Hours of operation — Unlimited

6. Transmitter location (if base station): State Louisiana County Cade

City or Town Near Dixie, La.

Street and number KWKH Transmitter, Gann Road

North Latitude: Degrees 32 Minutes 42 Seconds 15

West Longitude: Degrees 93 Minutes 52 Seconds 52

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

MARTI M-25C 25 watts

Antenna system: Mart1 YC-161 5-element Yagi antenna mounted on a 20-foot mast on roof of 23.5-foot KWKH transmitter building, overall height above ground 43.5 feet.

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

DATED February 28, 1966

FEDERAL COMMUNICATIONS COMMISSION



byg

F. C. C. - WASHINGTON, D. C.

Ron F. Wright
Secretary

CP NOT ISSUED

File No. **MRRL 2856**Call Letters **KGN 259**Official No. **11075**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCAST STATION LICENSE

REMOTE PICKUP BASE (RMB)
(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning **February 28, 1966**, and ending **June 1, 1967** (3 a. m. Eastern standard time) only in accordance

with the following terms:

1. Frequencies: **161.64, 161.76 mcs.**2. Frequency tolerance: **.005%**3. Types of emission: **30F3**4. With an output power not in excess of **30** watts.

5. Hours of operation - Unlimited

6. Transmitter location (if base station): State **Louisiana**County **Caddo**City or Town **Shreveport**Street and number **1238 Murphy Street (Caddo-Bossier Civil Defense Center)**Seconds **01**Seconds **18**North Latitude: Degrees **32**Minutes **30**West Longitude: Degrees **93**Minutes **45**

7. Broadcast station with which it is to be operated:

KWKH, KWKH-FM, Shreveport, Louisiana

8. Description of transmitting apparatus:

MARTI**M-30B****30 watts**

Antenna system: **Marti YC-161 5 -element Yagi antenna mounted on a 20-foot mast on roof of Civil Defense Center Building, overall height above ground 56 feet.**

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights here- in granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

DATED **February 28, 1966**by **byg**

FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Wolfe

Secretary.



F.C.C. - WASHINGTON, D. C.

CERTIFICATE OF RENEWAL OF LICENSE
STANDARD BROADCAST STATION

International Broadcasting
Corporation
Radio Station KWKH
Commercial Building
PO Box 1130
Shreveport, Louisiana

NOT VALID UNLESS POSTED WITH LICENSE

File No. BR-452

License term ending June 1, 1955
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Station location: State Louisiana City Shreveport

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 1967.
(3 a.m. eastern standard time)

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.



ma

Dated this 28th day of May, 19 64.

FEDERAL COMMUNICATIONS COMMISSION

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

Ben F. Waple
Secretary

AUG 12 1964

CERTIFICATE OF RENEWAL OF LICENSE
STANDARD BROADCAST STATION

International Broadcasting Corporation
Radio Station KHMH
Commercial Bldg.
Box 1387
Shreveport, Louisiana

NOT VALID UNLESS POSTED WITH LICENSE

File No. BK-452

License term ending June 1, 1955
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Station location: State Louisiana City Shreveport

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 1964.
(3 a.m. eastern standard time)

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.

Dated this 1st day of June, 1961.



mca

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

FEDERAL COMMUNICATIONS COMMISSION

Acting Secretary F. H. Hall 10

FCC Form 360
Dec. 1952

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BR-452
Call Letters KWKH

CERTIFICATE OF RENEWAL OF LICENSE
STANDARD BROADCAST STATION

International Broadcasting Corp.
Radio Station KWKH
Commercial National Bank Bldg.,
Texas and Market Streets
Shreveport, Louisiana

NOT VALID UNLESS POSTED WITH LICENSE

File No. BR-452

License term ending June 1, 1955
(3 a.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Station location: State Louisiana City Shreveport

This certificate serves as a renewal of the reference radio station
license on the same conditions and in accordance with the same
provisions for the term ending June 1, 1955.
(3 a.m. eastern standard time)

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.

Dated this 16th day of May, 1955.



sjm

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

FEDERAL COMMUNICATIONS COMMISSION

Mary Jane Morris
Secretary

FOR PENCIL NOTES REGARDING PROBLEM OF MUTUAL INTERFERENCE
WITH OTHER CLASS 1 STATIONS FROM DAYTIME SKYWAVE, AND
REGARDING LIST OF TIMES TO CHANGE PATTERNS TO PROVIDE
MUTUAL PROTECTION; SEE FRONT 2 OF REDICOVER ON DOCKET
8333 IN REGARD TO ABC CLIENTS

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BR-452
Call Letters KWKH

STANDARD BROADCAST STATION LICENSE

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

INTERNATIONAL 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 May 1, 1954, and ending June 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 1130 kc.
2. With 50 kilowatts power X directional antenna nighttime

[<u>common point</u>	current, <u>12.1</u>	amperes
	<u>common point</u>	resistance, <u>339</u>	ohms
]	<u>antenna</u>	current, <u>22.9</u>	amperes
	<u>antenna</u>	resistance, <u>95</u>	ohms

and 50 kilowatts power non directional antenna daytime
3. During the following period or periods of time: Unlimited time.
Average hours of local sunrise and sunset:
Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;
Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm;
May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;
July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;
Sept. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm;
Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;
Central Standard Time.
4. With the station located at:

Shreveport, Louisiana

5. With the main studio located at:
Commercial National Bank Bldg.
Texas and Market Streets
Shreveport, Louisiana

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

Gamm Road
Dixie, Louisiana

North Lat.	32	42	15
West Long.	93	52	52

and is described as follows: RCA MFG. CO., Type BTA-50-F1, Broadcasting Transmitter.
Last radio stage: two 25 kilowatt vacuum tubes for high level modulation.

Obstruction marking specifications in accordance with 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, and 4

Dated this 14th day of April, 1954

FEDERAL COMMUNICATIONS COMMISSION,



File No. BR-452Call Letters KW KHDate 4-14-54

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- N

No. and Type of Elements: Three guyed, uniform cross section, vertical radiators. A 54' FM antenna included in the height of the southwest tower.

Height above Insulators: Northeast and center, 478'; Southwest, 444' (including FM antenna).

Overall Height: Northeast and center, 484'; Southwest, 450'.

Spacing and Orientation: 279' (115.3°) between adjacent towers. Line of towers bears 25° true.

Non-Directional Antenna: Center tower with northeast and southwest towers grounded.

Ground System consists of 120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2. THEORETICAL SPECIFICATIONS

	Northeast Tower (1)	Center Tower (2)	Southwest Tower (3)
Phasing:	90°	0°	-90°
Field Ratio:	1.0	1.835	1.0

3. OPERATING SPECIFICATIONS

Phase Indication:*	95.5°	0°	-103°
Antenna Base Current Ratio:	1.0	2.77	2.07
Phase Monitor Sample Current Ratio:	1.0	1.94	1.15

* As indicated by RCA VM-30-A 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.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.2 miles north along Gamm Road, 0.15 mile east along Self Road. Point is 200' south of Self Road in a pasture. The distance is 2.77 miles from the center tower of the KWKH array. The field intensity measured at this point should not exceed 42.3 mv/m.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 24 mv/m.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 73.4 mv/m.

FEDERAL COMMUNICATIONS COMMISSION
Washington 25, D. C.

BR-452

K W K H

4-14-54

NOTICE OF CHANGE IN ANTENNA MARKING SPECIFICATIONS

Notice is hereby given that the obstruction marking specifications which are a part of your previous station authorization are changed to paragraph numbers 1, 3, 12 and 21* of FCC Form 715. (over)

The new specifications are in accordance with Commission action, effective January 1, 1954, amending Section 17.43 of Part 17 (Rules Concerning the Construction, Marking and Lighting of Antenna Towers and Supporting Structures.) Pursuant to that action taken in the interest of safety of air navigation, antenna structures painted in accordance with any previous specification, shall be painted so as to conform to the present requirements of paragraph 1 of FCC Form 715 at the time when repainting of the structure is necessary under Section 17.39 or in no event later than January 1, 1960. Further, antenna structures lighted at the top by 25 or 40 watt bulbs or by only a single 100 or 111 watt bulb, shall be lighted by two 100 or 111 watt bulbs in accordance with paragraph 2 of FCC Form 715 not later than one year from the date of the attached station authorization.

The enclosed authorization shall be considered a grant as modified of your application unless rejected by a written notice within 30 days from the date of the authorization. Such rejection should include a statement of the reasons why you believe the application should be granted as originally requested and whether a hearing is desired upon the modification.

This notice is issued in accordance with Section 309(b) of the Communications Act of 1934, as amended July 16, 1952.

*Par. 1, 3, 12 (Modified to require side lights at the 375, 275, 175 and 75 foot levels), 21.

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

It is to be expressly understood that the issuance of these 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.

1. Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 40 feet nor less than 1-1/2 feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.

2. There shall be installed at the top of the tower at least two 100- or 111-watt lamps (#100 A21/TS or #111 A21/TS, respectively) enclosed in aviation red obstruction light globes. The two lights shall burn simultaneously from sunset to sunrise and shall be positioned so as to insure unobstructed visibility of at least one of the lights from aircraft at any angle of approach. A light sensitive control device or an astronomical dial clock and time switch may be used to control the obstruction lighting in lieu of manual control. When a light sensitive device is used it should be adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

3. There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 500- or 620-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to one-half of the luminous period.

4. At approximately one-half of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

5. At approximately two-fifths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

6. On levels at approximately two thirds and one third of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any angle of approach, there shall be installed two such beacons. Each beacon shall

be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

7. On levels at approximately four-sevenths and two-sevenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any angle of approach, there shall be installed two such beacons, at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

8. On levels at approximately three-fourths, one-half and one-fourth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any angle of approach, there shall be installed two such beacons, at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

9. On levels at approximately two-thirds, four-ninths and two-ninths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10. On levels at approximately four-fifths, three-fifths, two-fifths, and one-fifth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

11. At the approximate mid point of the over-all height of the tower there shall be installed at least two 100- or 111-watt lamps (#100 A21/TS or #111 A21/TS, respectively) enclosed in aviation red 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.

12. On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 100- or 111-watt lamps (#100 A21/TS or #111 A21/TS, respectively) enclosed in aviation red 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.

13. On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 100- or 111-watt lamp

(#100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

14. On levels at approximately four-fifths, three-fifths and one-fifth of the over-all height of the tower, at least one 100- or 111-watt lamp (#100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

15. On levels at approximately five-sixths, one-half, and one-sixth of the over-all height of the tower, at least one 100- or 111-watt lamp (#100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

16. On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the over-all height of the tower at least one 100- or 111-watt lamp (#100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

17. On levels at approximately seven-eighths, five-eighths, three-eighths, and one-eighth of the over-all height of the tower, at least one 100- or 111-watt lamp (#100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

18. On levels at approximately eight-ninths, seven-ninths, five-ninths, one-third and one-ninth of the over-all height of the tower, at least one 100- or 111-watt lamp (#100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

19. On levels at approximately nine-tenths, seven-tenths, one-half, three-tenths, and one-tenth of the over-all height of the tower, at least one 100- or 111-watt lamp (#100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.

20. All lighting shall be exhibited from sunset to sunrise unless otherwise specified.

21. All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.

22. During construction of an antenna structure, for which obstruction lighting is required, at least two 100- or 111-watt lamps (#100 A21/TS or #111 A21/TS, respectively) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be installed at each such level. These temporary warning lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON 25, D. C.

R E N E W A L

INTERNATIONAL BROADCASTING CORPORATION
RADIO STATION K W K H
P. O. BOX 1387
COMMERCIAL BUILDING
SHREVEPORT, LOUISIANA

NATIONAL DEFENSE EMERGENCY AUTHORIZATION

Under Section 2.407 of the Commission's Rules, the Standard Broadcast Station described below may be used and operated for the purpose of participating in the Control of Electromagnetic Radiation project (CONELRAD), in accordance with the requirements hereinafter set forth, and the CONELRAD Rules and Regulations, Subpart G of Part 3 of the Commission's Rules.

Call Letters: K W K H

Located at: Shreveport, Louisiana

Licensee: INTERNATIONAL BROADCASTING CORPORATION

Frequency: 1240 kc

Effective radiated power: Not in excess of 10KW

Station identification: No station identification shall be used unless specifically authorized by the Commission.

Term of authorization: From the date of issuance shown below until the expiration date of the currently outstanding regular station license of the station, Provided, however, that this authorization may be changed or cancelled by the Commission at any time without the necessity of a hearing if in the judgment of the Commission such change or cancellation is necessary.

Licensed operator requirements: The licensed operator requirements applicable to operation of the station under its regular station license shall apply to operation under this authorization.

Date of issuance: April 14, 1954



Mary Jane Morris

Mary Jane Morris,
Secretary.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRY-19**RADIO BROADCAST STATION LICENSE**Official No. 19Call letters KA-8647REMOTE PICKUP BROADCAST

(Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE, INTERNATIONAL BROADCASTING CORPORATION is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning May 1, 1954, and ending June 1, 1955
(3 a. m. Eastern standard time) (3 a. m. Eastern standard time)
 only in accordance with the following terms:

1. Frequencies (kc): 16462. Frequency tolerance: 0.02%3. Types of emission: 10A34. With an output power not in excess of 50 watts.5. To operate: As a remote pickup broadcast station in accordance with Section 4.431.6. Hours of operation: In accordance with Section 4.403.

7. (a) Location of transmitter:

State _____ County _____ City or town _____
 Street and number _____
 N. latitude: Degrees _____, minutes _____, seconds _____
 W. longitude: Degrees _____, minutes _____, seconds _____

(b) Relay: Portable—Mobile—standard broadcast station with which it is to be operated:

KWKH, Shreveport, Louisiana

8. Location of main studio:

State _____ County _____ City or town _____
 Street and number _____

9. Apparatus authorized to be used is described as follows:

1 MANUFACTURER	2 TYPE	3 SERIAL NO.	4 RATED POWER (WATTS)
Composite	-	-	50

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

Dated this 21 day of April, 1954.

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BY DIRECTION OF THE FEDERAL COMMUNICATIONS COMMISSION,

[SEAL]

Mary Jane Morris

Secretary.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BS-452
Call Letters KWKH
Modification No. 1

MODIFICATION OF LICENSE
STANDARD BROADCAST STATION

International Broadcasting Corporation
Radio Station K W K H
Shreveport, Texas

Licensee: INTERNATIONAL BROADCASTING CORPORATION

Station location: State Louisiana City Shreveport

The Authority Contained in Authorization File No. BR-452
dated April 12, 1951 granted to the Licensee listed above is hereby modified in part
as follows:

Description of new monitoring point No.1:

Point #1, direction of 2° true North. Proceed from the
KWKH plant entrance 3.2 miles north along Gamm Road,
0.15 mile east along Self Road. Point is 200' south of
Self Road in a pasture. The distance is 2.77 miles from the
center tower of the KWKH array. The field intensity measured
at this point should not exceed 42.3 mv/m.

This modification of license shall be attached to and be made a part of the license of this
station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications
heretofore granted by the Commission, is to continue in full force and effect in accordance with the
terms and conditions thereof and for the period therein specified.

Dated this 17th day of April, 19 53.



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FEDERAL COMMUNICATIONS COMMISSION

Secretary

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BRRY-19

RADIO BROADCAST STATION LICENSE

Official No. 19

Call letters KA-8647
 Formerly KILB

REMOTE PICKUP BROADCAST
 (Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE, INTERNATIONAL BROADCASTING CORPORATION is hereby authorized to use and operate the radio transmitting apparatus, hereinafter described, for radio broadcasting for the term beginning May 1, 1951, and ending May 1, 1954
 (3 a. m. Eastern standard time) (3 a. m. Eastern standard time)

only in accordance with the following terms:

- * 1. Frequencies (kc): 1646, 2090, 2190 and 2930 * Frequency assignment subject to change in accordance with the proceedings in Docket No. 6651.
- 2. Frequency tolerance: 0.02%
- 3. Types of emission: 10A3
- 4. With an output power not in excess of 50 watts.
- 5. To operate: As a remote pickup broadcast station in accordance with Section 4.431

6. Hours of operation: In accordance with Section 4.403

7. (a) Location of transmitter:

State _____ County _____ City or town _____
 Street and number _____
 N. latitude: Degrees _____, minutes _____, seconds _____
 W. longitude: Degrees _____, minutes _____, seconds _____

(b) Relay: Portable-Mobile, standard broadcast station with which it is to be operated:KWH, Shreveport, Louisiana

8. Location of main studio:

State _____ County _____ City or town _____
 Street and number _____

9. Apparatus authorized to be used is described as follows:

1	2	3	4
MANUFACTURER	TYPE	SERIAL NO.	RATED POWER (WATTS)
<u>COMPOSITE</u>	<u>-</u>	<u>-</u>	<u>50</u>

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 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 frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. 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.

Dated this 16th day of April, 1951

BY DIRECTION OF THE FEDERAL COMMUNICATIONS COMMISSION,

[SEAL]

Secretary.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
STANDARD BROADCAST STATION LICENSE

File No. BR-452
Call Letters KWKH

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

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning May 1, 19 51 and ending May 1, 19 54
(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 1130 kc.
2. With 50 kilo watts power X directional antenna nighttime [common point current, 12.1 amperes
common point resistance, 339 ohms
antenna current, 22.9 amperes
antenna resistance, 95 ohms
and 50 kilo watts power non directional antenna daytime]
3. During the following period or periods of time: Unlimited time.

Average hours of local sunrise and sunset:

May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;
July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;
Sep. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm;
Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;
Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;
Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm;

Central Standard Time.

4. With the station located at:

Shreveport, Louisiana

5. With the main studio located at:

Commercial National Bank Bldg.
Texas and Market Streets
Shreveport, Louisiana

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

Gamm Road
Dixie, Louisiana

North Lat. 32° 42' 15"
West Long. 93° 52' 52"

and is described as follows: RCA MFG. CO., Type BTA-50-F1, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: two 25 kilowatt vacuum tubes for high level modulation. Maximum rated carrier power output 50 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 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.

This license consists of this page and pages 2, 3 and 4

Dated this 12 day of April, 19 51

FEDERAL COMMUNICATIONS COMMISSION,

F. J. Slowie
F. J. Slowie, Secretary

(SEAL)

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- N

No. and Type of Elements: Three guyed, uniform cross section, vertical radiators. A 54' FM antenna included in the height of the southwest tower.

Height above Insulators: Northeast and center, 478'; Southwest, 444' (including FM antenna).

Overall Height: Northeast and center, 484'; Southwest, 450'.

Spacing and Orientation: 279' (115.3°) between adjacent towers. Line of towers bears 25° true.

Non-Directional Antenna: Center tower with northeast and southwest towers grounded.

Ground System consists of 120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2. THEORETICAL SPECIFICATIONS

	Northeast Tower (1)	Center Tower (2)	Southwest Tower (3)
Phasing:	90°	0°	-90°
Field Ratio:	1.0	1.835	1.0

3. OPERATING SPECIFICATIONS

Phase Indication:*	95.5°	0°	-103°
Antenna Base Current Ratio:	1.0	2.77	2.07
<u>Phase Monitor Sample</u> Current Ratio:	1.0	1.94	1.15

* As indicated by RCA WM-30-A 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

DESCRIPTION OF MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 0.15 miles east along Self Road. Point of measurement is on south side of Self Road, 10 feet north of an iron-pipe marker set at the fence line. The field intensity measured at this point should not exceed 40 mv/m.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 24 mv/m.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 73.4 mv/m.

Modified

Date 4-12-51

FILE NO. BR-452

CALL LETTERS K W K H

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

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

~~The~~ ^{Each} 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.

~~The~~ ^{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 ~~the~~ ^{each} tower a 300-mm 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 1/2 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 overall height of the tower,~~ ^{At the 375', 275', 175' and 75' levels} ^{each} 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.

UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCASTING STATION LICENSE

Modified as of September 25, 1950

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofor or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE.....

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning September 25, 1950, and ending May 1, 1951

(8 a. m., Eastern Standard Time)

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

- On a frequency of 1130 kc. * and
- With power of 50 kilo watts/~~with conditions~~ 50 kilo watts from local sunrise to local sunset only. **
Antenna current 22.9 amperes for 50 kilo watts; ~~xxx~~ amperes for ~~xxx~~ watts.
Antenna resistance 95 ohms. for 50 kilowatts for non-directional antenna. Antenna current at common point - 12.1 amperes for 50 kilowatts; antenna resistance at common point - 339. ohms for 50 kilowatts for directional antenna.
- During the following period or periods of time: Unlimited time. *Average hour of local sunrise and sunset:
Sept. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm;
Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;
Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;
Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm;
May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;
July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;
*Employing directional antenna at night. Specifications for directional antenna attached.
- Under the call letters KWKH Central Standard Time.
- With the main studio of the station located at:
Commercial National Bank Bldg.,
Texas and Market Streets,
Shreveport, Louisiana.

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

Gann Road,
Dixie, Louisiana.

Lat. 32° 43' 15" North
Long. 93 52 52 West

and is described as follows: BCA MFG. CO., Type BTA-50-F1, Broadcasting Transmitter. Direct
Crystal Control. Last radio stage: two 25 kilowatt vacuum tubes for high level
modulation. Maximum rated carrier power output 50 kilowatts. The field intensity
at night of KWKH measured at the monitoring points described on the attached speci-
fications is not to exceed the following values: Point #1, 40 mv/m; Point #2,
24 mv/m; Point #3, 73.4 mv/m.

Towers painted and lighted in accordance with the attached specifications.

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.

Dated this 25th day of September, 1950.

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

[Signature]
Secretary.

(Mod.)

Date 9-25-50

FILE No.* HL-4150

CALL LETTERS* K W K H

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

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

~~Each~~ ^{Each} 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~~ ^{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 ~~the~~ ^{each} tower a 300-mm 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 1/2 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 overall height of the tower,~~ ^{At the 375', 275', 175' and 75' levels} ^{each} 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.

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM:

No. and Type of Elements: Three guyed, uniform cross section, vertical radiators. A 54' FM antenna included in the height of the southwest tower.

Height above Insulators: Northeast and center, 478'; Southwest, 444' (including FM antenna).

Overall Height: Northeast and center, 484'; Southwest, 450'.

Spacing: 279' (115.3°) between adjacent towers.

Orientation: Line of towers bears 25° true.

NON-DIRECTIONAL ANTENNA:

Center tower with northeast and southwest towers grounded.

GROUND SYSTEM:

120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

OPERATION OF DIRECTIONAL ANTENNA:

	Northeast Tower (1)	Center Tower (2)	Southwest Tower (3)
Theoretical Phasing:	90°	0°	-90°
Phase Monitor Reading:*	95.5°	0°	-103°
Theoretical Field Ratio:	1.0	1.835	1.0
Antenna base Current Ratio:	1.0	2.77	2.07
Phase Monitor Loop Current Ratio:**	1.0	1.94	1.15

*As read on RCA WM-30A phase monitor.

**Phase monitor loop currents may be read and logged in lieu of antenna base currents. If loop currents are logged, base currents must be read and logged at least once daily. Indications of the phase monitor shall be logged at least once each hour.

DESCRIPTION OF MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 0.15 miles east along Self Road. Point of measurement is on south side of Self Road, 10 feet north of an iron-pipe marker set at the fence line.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U.S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCASTING STATION LICENSE

Modified as of May 12, 1950

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofor or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning May 12, 1950, and ending May 1, 1951
 (11 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 1130 kc.
2. With power of 50 kilo watts, ~~and~~ 50 kilo watts from local sunrise to local sunset only **

Antenna current 22.9 amperes for 50 kilo watts; ~~XXX~~ amperes for ~~XXX~~ watts.

Antenna resistance 95 ohms. for 50 kilowatts for non-directional antenna.

3. During the following period or periods of time:

Unlimited time.

**Average hours of local sunrise and sunset:

May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;

July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;

Sep. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm;

Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;

Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;

Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm;

Central Standard Time.

4. Under the call letters KWKH.

5. With the main studio of the station located at:

Commercial National Bank Building

Texas and Market Streets

Shreveport, Louisiana

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

Gamm Road,

Dixie, Louisiana

Lat. 32° 42' 15" North

Long. 93 52 52 West

and is described as follows: WESTERN ELECTRIC, Type 306-A-Modified, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: four 12500 watt vacuum tubes for low level modulation. Maximum rated carrier power output 50 kilowatts. The field intensity at night of KWKH measured at the monitoring points described on the attached specifications is not to exceed the following values: Point #1, 40 mv/m; Point #2, 24 mv/m; Point #3, 73.4 mv/m.

Towers painted and lighted in accordance with the attached specifications.

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.

Dated this 12th day of May, 1950.

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

Secretary.

DESCRIPTION OF DIRECTIONAL ANTENNA:

No. and Type of Elements: Three guyed, uniform cross section, vertical radiators. A 54' FM antenna included in the height of the southwest tower.

Height above Insulators: Northeast and center, 478'; Southwest, 444' (including FM antenna).

Overall Height: Northeast and center, 484'; Southwest, 450'.

Spacing: 279' (115.3°) between adjacent towers.

Orientation: Line of towers bears 25° true.

NON-DIRECTIONAL ANTENNA:

Center tower with northeast and southwest towers grounded.

GROUND SYSTEM:

120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

OPERATION OF DIRECTIONAL ANTENNA:

	<u>Northeast Tower (1)</u>	<u>Center Tower (2)</u>	<u>Southwest Tower (3)</u>
Theoretical Phasing:	90°	0°	-90°
Phase Monitor Reading:*	95.5°	0°	-103°
Theoretical Field Ratio:	1.0	1.835	1.0
Antenna base Current Ratio:	1.0	2.77	2.07
Phase Monitor Loop Current Ratio:**	1.0	1.94	1.15

*As read on RCA WM-30A phase monitor.

**Phase monitor loop currents may be read and logged in lieu of antenna base currents. If loop currents are logged, base currents must be read and logged at least once daily. Indications of the phase monitor shall be logged at least once each hour.

DESCRIPTION OF MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 0.15 miles east along Self Road. Point of measurement is on south side of Self Road, 10 feet north of an iron-pipe marker set at the fence line.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U.S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe.

Modified

Date 5-12-50

FILE NO. EL-3561

CALL LETTERS K W K H

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

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

~~The~~ 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.

~~The~~ Each

~~The~~ tower shall be cleaned or repainted as often as necessary to maintain good visibility.
each

For night marking there shall be installed at the top of ~~the~~ tower a 300-m m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-10 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 $1\frac{1}{2}$ second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

At the 375', 275', 175' and 75' levels each

~~On each of approximately two-thirds and one-third of the overall height of the~~ 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.

File No. BP-7555

Call letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

REGULAR BROADCAST STATION CONSTRUCTION PERMIT

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made thereunder, and further subject to the conditions set forth in this permit, authority is hereby granted to

INTERNATIONAL BROADCASTING CORPORATION

to construct a radio transmitting station located and described as follows:

1. Location of transmitter: State Louisiana Parish Cadde
City or town Dixie Street and number Cann Road
N. Latitude: Degrees 32 minutes 42 seconds 15
W. Longitude: Degrees 93 minutes 52 seconds 52
2. Location of main studio: State Louisiana Parish Cadde
City or town Shreveport Street and number Commercial National Bank Building
Texas and Market Streets
3. Description of transmitting apparatus:
RCA MFG. CO., Type BTA-50-F1, Broadcasting Transmitter.
Direct Crystal Control. Last radio stage: two 25 kilowatt
vacuum tubes for high level modulation. Maximum rated
carrier power output 50 kilowatts.

4. The frequency, operating power, and hours of operation will be as follows:

*Employing directional antenna night.

(a) Frequency 1130 kilocycles.

(b) Power (1) Night 50 kilowatts *

(2) Day 50 kilowatts **

(c) Hours of operation: Unlimited time.

**Average hours of local sunrise and sunset:

Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm;

May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;

July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;

Sept 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm;

Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;

Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;

Central Standard time.

5. Date of required commencement of construction By May 30, 1950

6. Date of required completion of construction November 30, 1950

7. (a) Upon the completion of construction in exact accord with this permit, and provided the Commission and the Inspector of Radio are notified two days in advance, the permittee is authorized—

(1) To conduct equipment tests between 1 a.m. and 6 a.m., local standard time, for a period not to exceed 10 days, on the frequency and with the power herein specified.

(b) Upon the completion of equipment tests, and provided an application for radio broadcasting station license has been filed with the Commission, showing the transmitter to be in satisfactory operating condition; and provided further, that the Commission and Inspector of Radio are notified two days in advance, the permittee is authorized—

(1) To conduct broadcast program tests for a period not to exceed 30 days, on the frequency, with the power, and during the hours of operation herein specified.

(c) The authority herein contained to conduct tests shall not be construed as a radio broadcasting station license, but only to make tests incident and necessary to proper construction of the station, and the Commission reserves the right to cancel or modify such authority.

8. This permit shall be automatically forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow, unless completion of the station is prevented by causes not under permittee's control.

Dated this 30th day of March, 1950

By direction of the **FEDERAL COMMUNICATIONS COMMISSION**,



J. P. [Signature]
Secretary

During equipment tests a check of the calibration of the frequency monitor and station frequency must be made with an external standard and supplied to the Commission before program tests will be authorized.

It is an essential part of the test of all broadcast transmitting equipment to determine that the operating frequency is within the prescribed limits of the assigned frequency and that the frequency monitor is calibrated to within five parts per million of the assigned frequency (3 cycles at 550 kilocycles, 5 cycles at 1000 kilocycles, or 7.5 cycles at 1500 kilocycles).

To determine this, a check of the frequency should be made during the equipment test period with an external standard of known accuracy, such as the commercial frequency monitor services offered by several firms. The operating frequency of the transmitter should be adjusted to show zero deviation on the monitor and then the check made with the standard. If this reveals that the frequency is more than five parts per million from the assigned frequency, adjustments should be made and further check obtained until several readings indicate that the proper accuracy has been obtained and maintained.

The data on the check should be supplied to the Commission on the enclosed FCC Form No. 302 and must be approved by the Commission before program tests will be authorized. With reference to the conducting of equipment and program tests your attention is invited to Sections 1.315 and 1.316.

490215

KWKH DA Specs 12/13/48

Monitor point readings:

Monitoring point: 1 (2°) 2 (57°) 3 (316°)

Measured average	36.0	9.65	65.2
Tolerance value requested	42.4	24.1	74.2
Tolerance value allowed	40	24	73.4

FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON 25, D. C.

January 13, 1949

ADDRESS ALL COMMUNICATIONS
TO THE SECRETARY

International Broadcasting Corp.
Radio Station KWKH
Commercial National Bank Building
Texas and Market Streets
Shreveport, Louisiana

Gentlemen:

This is in reference to the recently filed application for station license covering the construction authorized by permit No. BP-6530.

As noted in the Commission's telegram of December 14, 1948 the present adjustment of the KWKH directional antenna does not conform to the requirements of the construction permit in that the measured inverse field along the 2 degree radial exceeds the value of 100 millivolts per meter specified in the construction permit.

A study of the engineering data on file relative to the previous adjustment of the KWKH antenna system indicates that complete radial measurements along the 2 degree radial were not made, either for the previously assigned 1100 kilocycle operation or following the shift to 1130 kilocycles.

In 1941, subsequent to the change in frequency from 1100 kilocycles to 1130 kilocycles, an engineering report covering the adjustment of the antenna system was submitted and included therein was an expanded radiation pattern showing in detail the shape of the minor lobes as determined from the ratio of directional to non-directional field intensity measurements.

Based on this pattern, an inverse field of 100 millivolts per meter along the radial 2 degrees true appeared to be a reasonable value, and was consequently specified in the construction permit BP-6530.

The expanded pattern submitted with the recent application for license, which was also determined from the ratio of directional to non-directional field intensity measurements, appears to be in close agreement with the previously submitted pattern. However, it should be noted that the ratio measurements indicate an appreciably lower inverse field along the 2 degree radial than is shown by the complete radial measurements made in that direction.

Since the two ratio patterns are in close agreement, it appears that the present antenna adjustment is substantially the same as the previous adjustment, and that the actual inverse field along the 2 degree radial in 1941 was in excess of the value indicated by the ratio measurements. Therefore, the present value of 170 millivolts per meter is assumed to be reasonable and in substantial agreement with the actual field intensity that could have been expected along the 2 degree radial with the antenna adjusted in accordance with the supplemental proof of performance submitted in 1941.

The present adjustment of the KWKH directional antenna appears to be satisfactory and in compliance with the requirements of construction permit BP-6530.

Pending issuance of a modified license, the adjustment of the array should be maintained in accordance with the enclosed specifications.

Very truly yours,

T. J. Slowie
T. J. Slowie
Secretary

Enclosure

*Bid at transmitter
1/28/49*

1130 kc, 50 kw, U, DA-M

DIRECTIONAL ANTENNA SPECS. (LICENSE)

79918

For Day Night x Both N.D. Day x

File No. BP-6530 Date 12/13/48 Call Letters KWKH

No. and Type of Elements: Three guyed, uniform cross section, vertical radiators, a 54' FM antenna included in the height of the SW tower.

Height above Insulators: NE & Center SW
Overall Height; 478' 444' (including FM antenna)
484' 450'

Spacing: 279' (115.3°) between adjacent towers.

Orientation: Line of towers bears 25° true.

Non-Directional Antenna: Center tower with NE and SW towers grounded.

Ground System: 120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

	<u>NE(1) Tower</u>	<u>C(2) Tower</u>	<u>SW(3) Tower</u>	<u>Tower</u>
Theoretical Phasing:	<u>90°</u>	<u>0°</u>	<u>-90°</u>	<u> </u>
Phase Monitor Reading:*	<u>95.5°</u>	<u>0°</u>	<u>-103°</u>	<u> </u>
Theoretical Field Ratio: base	<u>1.0</u>	<u>1.835</u>	<u>1.0</u>	<u> </u>
Antenna/Current Ratio:	<u>1.0</u>	<u>2.77</u>	<u>2.07</u>	<u> </u>
Phase Monitor Loop Current Ratio:*	<u>1.0</u>	<u>1.94</u>	<u>1.15</u>	<u> </u>

* As read on RCA WM-30A phase monitor.

Phase monitor loop currents may be read and logged in lieu of antenna currents. If loop currents are logged, base currents must be read and logged at least once daily. Indications of the phase monitor shall be logged at least once each hour.

The field intensity (at night) of KWKH measured at the monitoring points described on the attached sheets is not to exceed the following values:

2° No. 1 40 mv/m 316° No. 3 73.4 mv/v
57° No. 2 24 mv/m No. 4

Special Requirements: Phase monitor, remote monitors, field intensity recordings, other. (See attached.)

(Modified)

Date 6-30-48
FILE No. BP-6530
CALL LETTERS K W K H

OBSTRUCTION MARKING

ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

There shall be installed a 24 inch-1000 watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility; otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of this rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal.

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

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

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

each

For night marking there shall be installed at the top of ~~the~~ tower a 300-mm 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 1/2 second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

each

On levels at approximately two-thirds and one-third of the over-all height of ~~the~~ 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.

DESCRIPTION OF DIRECTIONAL ANTENNA

No. and type of elements: Three guyed, triangular, uniform cross-section, vertical radiators, a 54' FM antenna included in height of SW Tower.

	<u>SW Tower</u>	<u>Center Tower</u>	<u>NE Tower</u>
Height above insulators:	438'	478'	478'

Overall height:	444'	484'	484'
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Orientation: Three towers on a line bearing 25° true.

Spacing: 279' (115.3°)

	<u>NE Tower(1)</u>	<u>Center Tower(2)</u>	<u>SW Tower(3)</u>
Phasing:	90°	0°	-90°

Field ratio: 1.0 1.835 1.0
 Ground System: 120 - 400' buried copper radials equally spaced, plus a 20' square copper ground screen under each tower.

The inverse distance field intensity at a distance of one mile from the antenna of KWKH in the directions ~~of the radiators~~ specified shall not exceed the following values:

2° true - 100 mv/m
 57° true - 100 mv/m
 316° true - 200 mv/m

130 + (15)

A monitoring point in each of the above directions in which a field intensity is specified shall be designated with complete detail including a description of the point, directions for proceeding thereto and the field intensity measured at the point after final adjustment of the antenna system, and when operating in exact accordance with the terms of this authorization and the Rules and Regulations and Standards of Good Engineering Practice Governing Standard Broadcast Stations. The points shall be in the clear so as to permit the taking of unobstructed field intensity measurements and shall be located not less than one mile nor more than four miles from the antenna in the direction specified.

No operation shall occur during the regular broadcast day until data has been submitted showing that operation is in accordance with the above specifications and that the field intensity pattern is in substantial agreement with the theoretical pattern specified in the application.

To insure maintenance of radiated field within the tolerance required herein, a properly designed phase monitor shall be installed in the transmitter room as a means of continuously and correctly indicating the amplitude and phase of currents in the several elements of the directional antenna system.

FORM A-25

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

REGULAR BROADCAST STATION CONSTRUCTION PERMIT

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made thereunder, and further subject to the conditions set forth in this permit, authority is hereby granted to

INTERNATIONAL BROADCASTING CORPORATION

to construct a radio transmitting station located and described as follows:

1. Location of transmitter: State **Louisiana** Parish **Caddo**

City or town **Pine** Street and number **Comm Road**

N. Latitude: Degrees **32**, minutes **42**, seconds **15**

W. Longitude: Degrees **93**, minutes **52**, seconds **52**

2. Location of main studio: State **Louisiana** Parish **Caddo**

City or town **Shreveport** Street and number **Commercial National Bank Building**
Texas and Market Streets

3. Description of transmitting apparatus:

WESTERN ELECTRIC, Type 306-A-Modified, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: four 12500 watt vacuum tubes for low level modulation. Maximum rated carrier power output 50 kilowatts.

Towers to be painted and lighted in accordance with the attached specifications.

Power to be determined by the direct method (Sec. 3.51).

4. The frequency, operating power, and hours of operation will be as follows:

H (a) Frequency 1130 kilocycles. *Employing directional antenna night.
Specifications for directional antenna attached.

(b) Power (1) Night 50 kilowatts *

(2) Day 50 kilowatts **

(c) Hours of operation : Unlimited time.

**Average hours of local sunrise and sunset:

June 5:00 am to 7:30 pm; July 5:15 am to 7:30 pm;

Aug. 5:45 am to 7:00 pm; Sep. 6:00 am to 6:30 pm;

Oct. 6:15 am to 5:45 pm; Nov. 6:45 am to 5:15 pm;

Dec. 7:15 am to 5:15 pm; Jan. 7:15 am to 5:30 pm;

Feb. 7:00 am to 6:00 pm; Mar. 6:30 am to 6:15 pm;

Apr. 5:45 am to 6:45 pm; May 5:15 am to 7:00 pm;

Central Standard Time.

5. Date of required commencement of construction By August 30, 1948

6. Date of required completion of construction February 28, 1949

7. (a) Upon the completion of construction in exact accord with this permit, and provided the Commission and the Inspector of Radio are notified two days in advance, the permittee is authorized—

(1) To conduct equipment tests between 1 a.m. and 6 a.m., local standard time, for a period not to exceed 10 days, on the frequency and with the power herein specified.

(b) Upon the completion of equipment tests, and provided an application for radio broadcasting station license has been filed with the Commission, showing the transmitter to be in satisfactory operating condition; and provided further, that the Commission and Inspector of Radio are notified two days in advance, the permittee is authorized—

(1) To conduct broadcast program tests for a period not to exceed 30 days, on the frequency, with the power, and during the hours of operation herein specified.

(c) The authority herein contained to conduct tests shall not be construed as a radio broadcasting station license, but only to make tests incident and necessary to proper construction of the station, and the Commission reserves the right to cancel or modify such authority.

8. This permit shall be automatically forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow, unless completion of the station is prevented by causes not under permittee's control.

Dated this 30th day of June, 1948

[SEAL]

By direction of the **FEDERAL COMMUNICATIONS COMMISSION**,

Secretary

Date 4-8-48
FILE No. BR-452
CALL LETTERS* K WKH

OBSTRUCTION MARKING

ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

There shall be installed a 24 inch-1000-watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility, otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of this rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal.

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

~~The~~ Each 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

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

each

For night marking there shall be installed at the top of ~~the~~ tower a 300-mm 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 1/2 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 ~~the~~ 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.

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM:

No. & Type of Elements: Three, guyed triangular, uniform cross-section, vertical radiators.
 Height of Elements: 478' (484' overall)
 Spacing: 279' (115.3°) between adjacent towers
 Orientation: Line of towers bears 25° true.

	<u>N. E. TOWER</u>	<u>CENTER TOWER</u>	<u>S. E. TOWER</u>
Phase Monitor Reading:	88°	0°	-99°
Antenna Current Ratio:	1.0	2.74	2.54
Phase Monitor Loop Current Ratio:*	1.00	2.01	1.29

*Phase monitor loop currents may be logged in lieu of antenna currents. If loop currents are logged base currents must be read at least once a week and entered in the operating log. The indications of the phase monitor shall be entered into the operating log every 30 minutes.

NON-DIRECTIONAL ANTENNA:

Center tower of directional array is used; end towers detuned by grounding.

GROUND SYSTEM:

120 radials 400' long under each tower plus 20' x 20' ground screen.

DESCRIPTION OF MONITORING POINTS:

Point #1 (I), direction of North 316 degrees East. This point is located 2.28 miles in the direction North 316 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Whiskey Road, 1.11 miles south along Whiskey Road, turn west and cross canal to east side of Black Bayou Levee. Monitor point is 20 feet west of Canal Bridge and 20 feet east of Levee. Do not measure on Levee.

Point #2 (J), direction of North 353 degrees East. This point is located 2.81 miles in the direction North 353 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 0.27 mile west along Whiskey Road to the monitor point.

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM (KWKH) - (Cont'd.)

Point #3 (A), direction of North 25 degrees East. This point is located 3.15 miles in the direction North 25 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 1.16 miles East along Whiskey Road to Dooley Bayou, 0.28 miles East along Whiskey Road to the monitor point. Monitor point is in line with KWKH towers.

Point #4 (B), direction of North 57 degrees East. This point is located 2.95 miles in the direction North 57 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road, 2.72 miles North along U.S. Highway 71, 0.63 miles Southwest along Meandering Road to Fork in road, 0.52 miles South along dirt road, 0.15 mile East across Cowhide Bayou to the monitor point. Monitor point is at drainage ditch 50 feet ENE from negro house.

Point #5 (C), direction of North 94 degrees East. This point is located 2.70 miles in the direction north 94 degrees east from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road to U.S. Highway 71. Monitor point is behind negro church approximately 250 feet West of U.S. Highway 71 and approximately 250 feet South of Gamm Road.

File No. BR-452
 Official No. 452
 Call letters K.W.K.H.

UNITED STATES OF AMERICA
 FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCASTING STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE.....

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning May 1, 1948, and ending May 1, 1951
 (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:

- On a frequency of 1130 kc.* and
- With power of 50 kilo watts from local sunrise to local sunset only. **
 Antenna current 22.9 amperes for 50 kilo watts; XXX amperes for XXX watts.
 Antenna resistance 95 ohms. for 50 kilowatts for non-directional antenna. Antenna current at common point - 12.1 amperes for 50 kilowatts; antenna resistance at common point - 339 ohms for 50 kilowatts for directional antenna. *Employing directional antenna night. Specifications for directional antenna attached.
- During the following period or periods of time:
Unlimited time.

**Average hour of local sunrise: May
5:15 am; June 5:00 am; July 5:15 am;
Aug. 5:45 am; Sept. 6:00 am; Oct. 6:15
am; Nov. 6:45 am; Dec. 7:15 am; Jan.
7:15 am; Feb. 7:00 am; Mar. 6:30 am;
Apr. 5:45 am; Central Standard Time

**Average hour of local sunset: May 7:00 pm;
June 7:30 pm; July 7:30 pm; Aug. 7:00 pm;
Sept. 6:30 pm; Oct. 5:45 pm; Nov. 5:15 pm;
Dec. 5:15 pm; Jan. 5:30 pm; Feb. 6:00 pm;
Mar. 6:15 pm; Apr. 6:45 pm; Central Standard

- Under the call letters K.W.K.H.
- With the main studio of the station located at:

Commercial National Bank Building
Texas and Market Streets,

Shreveport, Louisiana
 The apparatus heretofore authorized to be used and operated is located at:

<u>Gann Road</u>	Lat.	<u>32°</u>	<u>42'</u>	<u>15"</u>	<u>North</u>
<u>Dixie, Louisiana</u>	Long.	<u>93</u>	<u>52</u>	<u>52</u>	<u>West</u>

and is described as follows: WESTERN ELECTRIC, Type 306-A-Modified, Broadcasting Transmitter.
Direct Crystal Control, Last radio stage: four 12500 watt vacuum tubes for low level
modulation (Federal Telegraph F-124-A). Maximum rated carrier power output 50 kilowatts.
The field intensity at night of KWKH measured at the monitoring points described on the
attached specifications is not to exceed the following values: Point #1 70.5 mv/m; Point
#2, 63.8 mv/m; Point #3, 24.6 mv/m; Point #4, 3.3. mv/m; Point #5, 118 mv/m.
Towers painted and lighted in accordance with attached specifications.

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.

Dated this 8th day of April, 1948

[SEAL]

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

J. J. Moore
 Secretary.

Date 9-9-47

FILE NO.* B3-S-452

CALL LETTERS* K W K H

OBSTRUCTION MARKING

ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

There shall be installed a 24-inch-1000-watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility, otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of this rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal.

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

~~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~~

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

~~each~~

For night marking there shall be installed at the top of ~~the~~ 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 1/2 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 ~~the~~ ^{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.

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM:

No. & Type of Elements: Three, guyed triangular, uniform cross-section, vertical radiators.
 Height of Elements: 478' (484' overall)
 Spacing: 279' (115.3°) between adjacent towers
 Orientation: Line of towers bears 25° true.

	<u>N.E. TOWER</u>	<u>CENTER TOWER</u>	<u>S.E. TOWER</u>
Phase Monitor Reading:	88°	0°	-99°
Antenna Current Ratio:	1.0	2.74	2.54
Phase Monitor Loop Current Ratio:*	1.00	2.01	1.29

*Phase monitor loop currents may be logged in lieu of antenna currents. If loop currents are logged base currents must be read at least once a week and entered in the operating log. The indications of the phase monitor shall be entered into the operating log every 30 minutes.

NON-DIRECTIONAL ANTENNA:

Center tower of directional array is used; end towers detuned by grounding.

GROUND SYSTEM:

120 radials 400' long under each tower plus 20' x 20' ground screen.

DESCRIPTION OF MONITORING POINTS:

Point #1 (I), direction of North 316 degrees East. This point is located 2.28 miles in the direction North 316 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Whiskey Road, 1.11 miles south along Whiskey Road, turn west and cross canal to east side of Black Bayou Levee. Monitor point is 20 feet west of Canal Bridge and 20 feet east of Levee. Do not measure on Levee.

Point #2 (J), direction of North 353 degrees East. This point is located 2.81 miles in the direction North 353 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 0.27 mile west along Whiskey Road to the monitor point.

Point #3 (A), direction of North 25 degrees East. This point is located 3.15 miles in the direction North 25 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 1.16 miles East along Whiskey Road to Dooley Bayou, 0.28 miles East along Whiskey Road to the monitor point. Monitor point is in line with KWKH towers.

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM (KWKH) - Cont'd.

Point #4(B), direction of North 57 degrees East. This point is located 2.95 miles in the direction North 57 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road, 2.72 miles North along U.S. Highway 71, 0.63 miles Southwest along Meandering Road to Fork in road, 0.52 miles South along dirt road, 0.15 mile East across Cowhide Bayou to the monitor point. Monitor point is at drainage ditch 50 feet ENE from negro house.

Point #5 (C), direction of North 94 degrees East. This point is located 2.70 miles in the direction north 94 degrees east from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road to U.S. Highway 71. Monitor point is behind negro church approximately 250 feet West of U.S. Highway 71 and approximately 250 feet South of Gamm Road.

File No. B3-S-452
 Official No. 452
 Call letters K W K H

UNITED STATES OF AMERICA
 FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCASTING STATION LICENSE

Modified as of September 9, 1947

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofor or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning September 9, 1947, and ending May 1, 1948

(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 1130 ke. and
2. With power of 50 kilo watts from local sunrise to local sunset only.
 Antenna current 22.9 amperes for 50 kilo watts; xxx amperes for xxx watts.
 Antenna resistance 95 ohms for 50 kilowatts for non-directional antenna. Antenna current at common point - 12.1 amperes for 50 kilowatts; antenna resistance at common point - 339 ohms for 50 kilowatts for directional antenna.
3. During the following period or periods of time:
 Unlimited time.

**Average hour of local sunrise: Sep. 6:00 am; Oct. 6:15 am; Nov. 6:45 am; Dec. 7:15 am; Jan. 7:15 am; Feb. 7:00 am; Mar. 6:30 am; Apr. 5:45 am; May 5:15 am; June 5:00 am; July 5:15 am; Aug. 5:45 am; Central Standard Time.

*Employing directional antenna night. Specifications for directional antenna attached.

**Average hour of local sunset: Sep. 6:30 pm; Oct. 5:45 pm; Nov. 5:15 pm; Dec. 5:15 pm; Jan. 5:30 pm; Feb. 6:00 pm; Mar. 6:15 pm; Apr. 6:45 pm; May 7:00 pm; June 7:30 pm; July 7:30 pm; Aug. 7:00 pm; Central Standard Time.

4. Under the call letters K W K H

5. With the main studio of the station located at:
 Commercial National Bank Building
 Texas and Market Streets,
 Shreveport, Louisiana.

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

Gamm Road
 Dixie, Louisiana

Lat. 32° 42' 15" North,
 Long. 93 52 52 West.

and is described as follows: WESTERN ELECTRIC, Type 306-A-Modified, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: four 12500 watt vacuum tubes for low level modulation (Federal Telegraph F-124-A). Maximum rated carrier power output 50 kilowatts. The field intensity at night of KWKH measured at the monitoring points described on the attached specifications is not to exceed the following values: Point #1 70.5 mv/m; Point #2, 63.8 mv/m; Point #3, 24.6 mv/m; Point #4, 3.3 mv/m; Point #5, 118 mv/m.

Towers painted and lighted in accordance with attached specifications.

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.

Dated this 9th day of September, 1947

[SEAL]

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

Secretary.

NOTICE TO ALL STANDARD BROADCAST STATIONS

Attention: Engineering Personnel

In connection with the enclosed license effective October 1, 1945, your attention is directed to the change in operating constants (antenna resistance and antenna current) which are different from those included in your previous license.

These changes in operating constants have been made pursuant to revocation of Commission Order 107 which required standard broadcast stations to operate during the war with a power output approximately 20 percent less than licensed power.

The new constants include actual measured antenna resistance for non-directional operation, 92.5 percent of the measured resistance for directional operation with power of 5 kw. or less and 95 percent of measured resistance for directional operation with a power in excess of 5 kw. The square of the antenna current indicated multiplied by the indicated resistance should give the licensed power.

In all cases the antenna current for proper operation will be approximately 1.12 times as high as was previously required under Order 107 and adjustment of the transmitter so as to permit operation with the higher current should be effected by October 1, 1945.

Date 5/24/44

FILE NO.* B3-S-152

CALL LETTERS* KWKH

OBSTRUCTION MARKING

ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

There shall be installed a 24-inch-1000-watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility, otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of this rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal.

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

Each 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 $\frac{1}{2}$ 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 each over-all height of the 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.

UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCASTING STATION LICENSE

Modified in accordance with Order 107A adopted July 10, 1945.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning October 1, 1945, and ending May 1, 1948.

(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:

- On a frequency of 1130 kc.
- With power of 50 kilo. watts, ~~with an additional~~ 50 kilo. watts from local sunrise to local sunset only.
Antenna current 22.9 amperes for 50 kilo. watts; XXX amperes for XXX watts.
Antenna resistance 95 ohms. for 50 kilowatts for non-directional antenna. Antenna current at common point - 12.1 amperes for 50 kilo. watts; antenna resistance at common point - 339 ohms for 50 kilowatts for directional antenna.
Employing directional antenna night.
- During the following period or periods of time:
Unlimited time.
**Average hour of local sunrise: Oct. 6:15 a.m.; Nov. 6:45 a.m.; Dec. 7:15 a.m.; Jan. 7:15 a.m.; Feb. 7:00 a.m.; Mar. 6:30 a.m.; April 5:45 a.m.; May 5:15 a.m.; June 5:00 a.m.; July 5:15 a.m.; Aug. 5:45 a.m.; Sept. 6:00 a.m.
Central Standard Time.
Directional antenna in accordance with specifications dated 6-5-45, said specifications to be posted by the licensee with this license (Sec. 3.401).
**Average hour of local sunset: Oct. 5:45 p.m.; Nov. 5:15 p.m.; Dec. 5:15 p.m.; Jan. 5:30 p.m.; Feb. 6:00 p.m.; Mar. 6:15 p.m.; April 6:45 p.m.; May 7 p.m.; June 7:30 p.m.; July 7:30 p.m.; Aug. 7:00 p.m.; Sept. 6:30 p.m. Central Standard Time.
- Under the call letters KWKH.
- With the main studio of the station located at:
Commercial National Bank Building
Texas and Market Streets, Shreveport, Louisiana.

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

Gann Road
Dixie, Louisiana

Lat. 32° 42' 25" North,
Long. 93 53 10 West.

and is described as follows: WESTERN ELECTRIC, Type 306-A-Modified, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: Four 12500 watt vacuum tubes for low level modulation (Federal Telegraph F-124-A). Maximum rated carrier power output 50 kilowatts. The field intensity at night of KWKH measured at the monitoring points described on the specifications dated 6-5-45 is not to exceed the following values: Point #1 70.5 mv/m; Point #2, 63.8 mv/m; Point #3, 24.6 mv/m; Point #4, 3.3 mv/m; Point #5, 118 mv/m.

Power: ~~limited~~ and limited in accordance with attached specifications.

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.

Dated this 25th day of September, 1945

[SEAL]

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

Secretary

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM:

No. & Type of Elements: Three, guyed triangular, uniform cross-section, vertical radiators.
 Height of Elements: 478' (484' overall)
 Spacing: 279' (115.3') between adjacent towers
 Orientation: Line of towers bears 25° true.

	<u>N.E. Tower</u>	<u>Center Tower</u>	<u>S.E. Tower</u>
Phase Monitor Reading:	88°	0°	-99°
Antenna Current Ratio:	1.0	2.74	2.54
Phase Monitor Loop Current Ratio:*	1.00	2.01	1.29

*Phase monitor loop currents may be logged in lieu of antenna currents. If loop currents are logged base currents must be read at least once a week and entered in the operating log. The indications of the phase monitor shall be entered into the operating log every 30 minutes.

NON-DIRECTIONAL ANTENNA:

Center tower of directional array is used; end towers detuned by grounding.

GROUND SYSTEM:

120 radials 400' long under each tower plus 20' x 20' ground screen.

DESCRIPTION OF MONITORING POINTS:

Point #1 (I), direction of North 316 degrees East. This point is located 2.28 miles in the direction North 316 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Whiskey Road, 1.11 miles south along Whiskey Road, turn west and cross canal to east side of Black Bayou Levee. Monitor point is 20 feet west of Canal Bridge and 20 feet east of Levee. Do not measure on Levee.

Point #2 (J), direction of North 353 degrees East. This point is located 2.81 miles in the direction North 353 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 0.27 mile west along Whiskey Road to the monitor point.

Point #3 (A), direction of North 25 degrees East. This point is located 3.15 miles in the direction North 25 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 1.16 miles East along Whiskey Road to Dooley Bayou, 0.28 miles East along Whiskey Road to the monitor point. Monitor point is in line with KWKH towers.

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM (KWKH) - Cont'd.

Point #4 (B), direction of North 57 degrees East. This point is located 2.95 miles in the direction North 57 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road, 2.72 miles North along U.S. Highway 71, 0.63 miles Southwest along Meandering Road to Fork in road, 0.52 miles South along dirt road, 0.15 mile East across Cowhide Bayou to the monitor point. Monitor point is at drainage ditch 50 feet ENE from negro house.

Point #5 (C), direction of North 94 degrees East. This point is located 2.70 miles in the direction north 94 degrees east from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road to U.S. Highway 71. Monitor point is behind negro church approximately 250 feet West of U.S. Highway 71 and approximately 250 feet South of Gamm Road.

W E S T E R N U N I O N

COPY

COLLECT WASHINGTON D C

1945 JUN 5 PM 4:18

JOHN D. EWING

THE SHREVEPORT TIMES SPORT

KWKH AND KTHS LICENSES GRANTED ON REGULAR BASIS FOR PERIOD ENDING
MAY 1, 1948.

CHARLES V WAYLAND

W E S T E R N U N I O N

COPY

COLLECT WASHINGTON

1945 MAY 17 AM 9:42

FRED OHL

RADIO STATION KWKH SPORT

RETEL INVESTIGATION SHOWS OUR RENEWAL EXTENDED TEMPORARILY BECAUSE COMMISSION PERSONNEL HAD NOT COMPLETED THE CHECKING OF ABOUT ONE HUNDRED APPLICATIONS UP TO THE PRESENT TIME. THERE IS NO REASON TO BELIEVE WE WILL NOT BE GRANTED A REGULAR RENEWAL BEFORE THE TEMPORARY EXPIRES.

CHAS. V. WAYLAND

902 EARLE BLDG.

FILE NO. B3-S-452

CALL LETTERS KWKH

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

THE RADIO BROADCASTING STATION LICENSE OF
INTERNATIONAL BROADCASTING CORPORATION
EXPIRING 3 A.M., EASTERN STANDARD TIME, MAY 1, 1945 IS
HEREBY EXTENDED UPON A TEMPORARY BASIS ONLY, PENDING DETER-
MINATION UPON APPLICATION FOR RENEWAL OF LICENSE, IN NO
EVENT LATER THAN 3 A.M., EASTERN STANDARD TIME, JULY 1,
1945.

DATED THIS 24TH DAY OF APRIL, 1945.

BY DIRECTION OF THE FEDERAL COMMUNICATIONS COMMISSION

T. J. SLOWIE

SECRETARY

W E S T E R N U N I O N

COPY

COLLECT WASHINGTON

1945 APR 24 PM 3:53

FRED OHL

RADIO STATION KWKH

KWKH LICENSE EXTENDED TO JULY 1 1945 CLEAR CHANNEL HEARING

POSTPONED TO SEPTEMBER 5 1945. KILB LICENSE GRANTED TO MAY 1 1948.

CHARLES V WAYLAND 902 EARLE BLDG.

W E S T E R N U N I O N

COPY

COLLECT WASHINGTON DC

1944 SEPT 30 AM 10:30

FRED OHL

RADIO STATION KWKH SPORT

KWKH LICENSE MAILED YOU BY COMMISSION SEPTEMBER 26. IF IT
DOES NOT ARRIVE, CONTINUE OPERATION AS LICENSE GRANTED.

CHARLES V WAYLAND

W E S T E R N U N I O N

COPY

COLLECT WASHINGTON

1944 SEP 27 PM 1:49

FRED OHL

RADIO STATION KWKH

KILB AND KWKH BOTH GRANTED LICENSES EXPIRING MAY 1, 1945 YESTERDAY.

WIRED EWING ON KWKH GRANT.

CHARLES V WAYLAND

W E S T E R N U N I O N

COPY

COLLECT WASHINGTON

1944 JULY 25 PM 5:09

JOHN C MCCORMACK RADIO STATION KWKH

SPORT

THREE OCLOCK RELEASE CONTAINS NOTHING ON ASSIGNMENT
COMMISSION STILL IN MEETING. KWKH LICENSE EXTENDED ON
TEMPORARY BASIS UNTIL OCTOBER 1 1944.

JOHN P SOUTHMAYD 902 EARLE BUILDING

W E S T E R N U N I O N

COPY

WASHINGTON COLLECT

1944 MAY 31 AM 11:57

JOHN C MCCORMACK

RADIO STATION KWKH SPORT

HAVE JUST CHECKED ON KWKH EXTENSION OF LICENSE AND FIND IT
IS NOW RESULT OF MULTIPLE OWNERSHIP. IT APPEARS THAT WHEN
KTBS TRANSFER IS GRANTED A REGULAR LICENSE WILL BE ISSUED
KWKH.

CHARLES V WAYLAND.

W E S T E R N U N I O N

COPY

COLLECT WASHINGTON

1944 MAY 30 5:37 PM

STATION KWKH

JOHN C MCCORMACK SPORT

KWKH LICENSE EXTENDED TO AUGUST 1, 1944 TEMPORARY BASIS.

BEN S FISHER

WESTERN UNION

COPY

COLLECT WASHINGTON

1944 MAR 29 PM 12:36

JOHN C MCCORMACK

RADIO STATION KWKH

KWKH LICENSE EXTENDED TEMPORARILY TO JUNE 1 1944. KTHS GRANTED
LICENSE OPERATE ON 1090 WITH POWER OF 10KW DAY 1KW NIGHT
UNLIMITED TIME SIMULTANEOUS WITH WBAL ON CONDITION THAT NO
INTERFERENCE BE CAUSED WBAL AND THAT WHEN MATERIALS ARE
AVAILABLE STATION WILL OPERATE WITH 50KW SPECIAL SERVICE
AUTHORIZATION DISMISSED AS ALL AUTHORITY NOW VESTED IN
LICENSE.

CHARLES V WAYLAND.

67

March 12, 1943

Mr. Charles V. Mayland
Fisher and Mayland
902 Earle Building
Washington, D. C.

Dear Charlie:

We've been anxiously awaiting the
KKH license on a regular basis about which you
wired on February 23.

Can you advise about this?

Kind regards,

John C. McCormack,
General Manager

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL=Day Letter
NT=Overnight Telegram
LC=Deferred Cable
NLT=Cable Night Letter
Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

SVH127 11 COLLECT=WASHINGTON DC 23 334P

JOHN C MCCORMACK=

RADIO STATION KWKH=

1943 FEB 23 PM 3 09

KWKH LICENSE RENEWED REGULAR BASIS PERIOD ENDING APRIL 1,

1944=

:CHARLES V WAYLAND,

1 1944.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL=Day Letter
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Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination.

SVH65 33 DL 1 EXTRA COLLECT=SB WASHINGTON DC 13 1059A

INTL BROADCASTING CORP., RADIO STATION KWKH=

COMMERCIAL NATL BANK BLDG TEXAS AND MARKET STS=

RELET ATTORNEY 12. AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA
FOR NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM FEBRUARY
17 PENDING ACTION ON PROOF OF PERFORMANCE AND APPLICATION=

T J SLOWIE SECRETARY F C C.

12 17.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

65959

File No. B3-S-452Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended to February 1, 1943, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, March 1, 1943.

Dated this 26th day of January, 1943.

By direction of the FEDERAL COMMUNICATIONS COMMISSION


Secretary.

(SEAL)

63

STANDARD TIME INDICATED
RECEIVED AT
525 MARKET ST. TELEPHONE 5211
TELEPHONE YOUR TELEGRAMS TO POSTAL TELEGRAPH

Postal Telegraph

Masterly Radio
Continental Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

63
To D85 LC323W (SIX) 33 DL COLLECT 1 EXTRA=RM, WASHINGTON DC 13 655F
JAN 13 PM 7 23

INTERNATIONAL BROADCASTING CORPN=

STATION KWKH COMMERCIAL NATL BANK BLDG TEXAS AND MARKET STS
SHREVEPORT LOU=

CHARGE

RELET ATTORNEY 13. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHT
TIME OPERATION FOR PERIOD THIRTY DAYS FROM JANUARY 13 PENDING
ACTION ON PROOF OF PERFORMANCE AND APPLICATION=

T J SLOWIE SECRETARY

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

12c

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

The fil

INSA53 15 DL COLLECT 1 EXTRA-WASHINGTON 1943 JAN 11 PM 16

INTERNATIONAL BROADCASTING CORP, RADIO STATION KWKH

COMMERCIAL NATL BANK BLDG TEXAS & MARKET STS

SPORTS

RETEL 9. AUTHORITY GRANTED COMMISSION'S TELEGRAM OCTOBER 31,

1942. EXTENDED PERIOD THIRTY DAYS.

T. J. SLOWIE SECRETARY FCC.

JAN 31 1943.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

65311

File No. B3-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

dated January 29, 1940, which was heretofore extended to January 1, 1943, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, February 1, 1943.

Power to be determined by the direct method in accordance with Order No. 107 as adopted November 6, 1942, effective 3 a.m., Eastern Standard Time, December 1, 1942, as follows:

Antenna Current at common point 10.8 amperes for 50 kilowatts;

xxx amperes for xxx watts.

Antenna Resistance at common point 427 ohms.

Antenna Current 20.4 amperes for 50 kilo watts; xxx

amperes for xxx watts.

Antenna Resistance 119.7 ohms.

*

Dated this 22nd day of December, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

J. J. O'Leary
Secretary.

(SEAL)

*The field intensity at night of Station KWKH measured at the monitoring points described on the specifications dated 1-29-40 is not to exceed the following values: Point #1, 24.5 mv/m; Point #2, 30.8 mv/m.

W1111

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

(28)

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE PRESIDENT

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

NSA312 17 COLLECT DL 1 EXTRA=WASHINGTON DC 8 724P

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATL BANK BLDG TEXAS
& MARKET STS SPORT=

RETEL 7. AUTHORITY GRANTED COMMISSION'S TELEGRAM OCTOBER
31 EXTENDED PERIOD THIRTY DAYS FROM DECEMBER 1=

T J SLOWIE SECRETARY FCC.

7 31 1 FCC.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

64516

File No. B3-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

dated January 29, 1940, which was heretofore extended to December 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, January 1, 1943.

Power to be determined by the direct method in accordance with Order No. 107 as adopted November 6, 1942, effective 3 a.m., Eastern Standard Time, December 1, 1942, as follows:

Antenna Current at common point 10.8 amperes for 50 kilowatts; xxx amperes for xxx watts.

Antenna Resistance at common point 427 ohms.

Antenna Current 20.4 amperes for 50 kilowatts; xxx amperes for xxx watts.

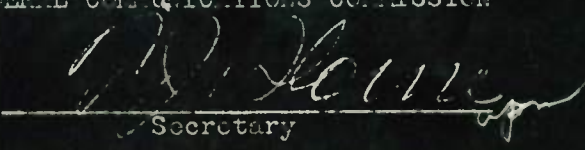
Antenna Resistance 119.7 ohms.

*

Dated this 24th day of November, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

(SEAL)


Secretary

*The field intensity at night of Station KWKH measured at the monitoring points described on the specifications dated 1-29-40 is not to exceed the following values: Point #1, 24.5 mv/m; Point #2, 30.8 mv/m.

This supersedes authorization of the same date.

WTH

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION (56)

1201

SYMBOLS

DL=Day Letter
NT=Overnight Telegram
LC=Deferred Cable
NLT=Cable Night Letter
Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

SV h173 33 DL COLLECT 1 EXTRA=SB WASHINGTON DC 13 427P
INTERNATIONAL BROADCASTING CORP=
RADIO STATION KWKH COMML NATL BANK=

RELET ATTORNEY 12. AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM NOVEMBER 19
PENDING ACTION ON PROOF OF PERFORMANCE AND APPLICATION=
T J SLOWIE SECY FEDERAL COMMUNICATIONS COMMISSION.

12 ANTENNA 19. ESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

59
File No. B3-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended to November 1, 1942, is
hereby further extended upon a temporary basis only, pend-
ing determination upon the application for renewal of
license, in no event later than 3 a.m., Eastern Standard
Time, December 1, 1942.

Dated this 20th day of October, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION



Secretary.
(63809)

(SEAL)

WTM

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination.

INSA960' 32 DL COLLECT GOVT= WASHINGTON DC 14 741P

INTERNATIONAL BROADCASTING CORPN=

1942 OCT 14 PM 8 54

RADIO STATION K. W. K. H=

COMMERCIAL NATIONAL BANK BLDG TEXAS & MARKET
STREETS SHREVEPORT LA=

RELET ATTORNEY 14, AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM OCTOBER 20
PENDING ACTION ON PROOF OF PERFORMANCE AND APPLICATION=

T. J. SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION.

14 20,

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

63152

File No. BZ-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

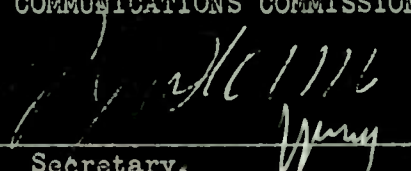
The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended at intervals to October 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, November 1, 1942.

Dated this 22nd day of September, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION


Secretary.

(SEAL)

WFM

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

NSA919 33 DL COLLECT 1 EXTRA=WASHINGTON DC 14 750P
1942 SEP 14 PM 8 02

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATL BANK BLDG TEXAS

2 MARKET STS SPORT=

RELET ATTORNEY 14. AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA
FOR NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM
SEPTEMBER 20 PENDING ACTION ON PROOF OF PERFORMANCE AND
APPLICATION=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION.

THE COMPANY WOULD APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

File No. B3-S-452

Call Letters KWKH

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended to September 1, 1942, is
hereby further extended upon a temporary basis only, pending
determination upon the application for renewal of license,
in no event later than 3 a.m., Eastern Standard Time,
October 1, 1942.

Dated this 18th day of August, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION


Secretary.

(62462)

(SEAL)

WIRM

STANDARD TIME INDICATED
RECEIVED AT
525 MARKET ST. TELEPHONE 5211
TELEPHONE YOUR TELEGRAMS TO POSTAL TELEGRAPH



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 16

5~ NO92 35 3 EXTRA DL COLLECT=RU WASHINGTON DC 14 44 6P
 INTERNATIONAL BROADCASTING CORPN= AUG 14 PM 4 17
 :RADIO STATION K W K H COMMERCIAL NATL BANK BLDG TEXAS
 AND MARKET STS SHREVEPORT LOU:
 :RELET ATTORNEY 12 AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
 UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
 OPERATION FOR PERIOD THIRTY DAYS FROM AUGUST 23 PENDING ACTION
 ON PROOF OF PERFORMANCE AND APPLICATION=
 :T J SLOWIE SECTY FED COMM COMMISSION.

12 23

File No. B3-S-452

Call Letters KWKH

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

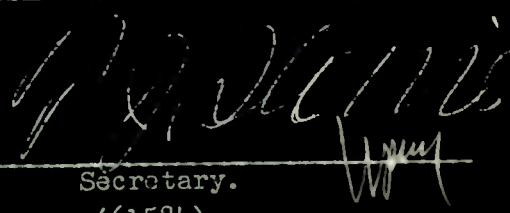
The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORP.

which was heretofore extended to August 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 5 a.m., Eastern Standard Time, September 1, 1942.

Dated this 21st day of July, 1942.

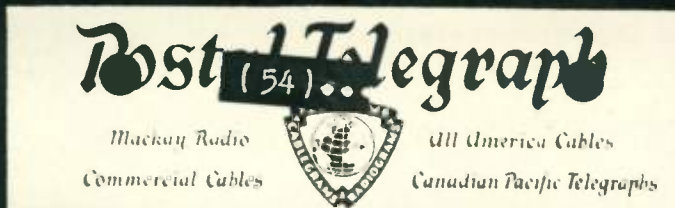
By direction of the FEDERAL COMMUNICATIONS COMMISSION



Secretary.
(61584)

(SEAL)

STANDARD TIME INDICATED
RECEIVED AT
525 MARKET ST. TELEPHONE 5211
TELEPHONE YOUR TELEGRAMS TO POSTAL TELEGRAPH



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 16

=N071 32 DL COLLECT=RY WASHINGTON DC 11 259PM
INTERNATIONAL BROADCASTING CORP.

JUL 17 PM 3 56

RADIO STATION K W K H=COMMERCIAL NATIONAL BANK BLDG
SHREVEPORT LA=

CHARGE 119

RELET 10 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM JULY 24 PENDING ACTION ON
PROOF OF PERFORMANCE AND APPLICATION:

=T J SLOWIE SECRETARY F C C.

RELET 10 ANTENNA 24 F C C.

STANDARD TIME INDICATED

RECEIVED AT:

525 Market
Telephone 5211

TELEPHONE YOUR TELEGRAMS
TO POSTAL TELEGRAPH

Postal Telegraph

Mackay Radio
Commercial Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-
GRAM OR RADIOGRAM UNLESS OTHERWISE
INDICATED BY SYMBOL IN THE PREAMBLE
OR IN THE ADDRESS OF THE MESSAGE.
SYMBOLS DESIGNATING SERVICE SELECTED
ARE OUTLINED IN THE COMPANY'S TARIFFS
ON HAND AT EACH OFFICE AND ON FILE WITH
REGULATORY AUTHORITIES.

Form 16

E248W 33 1 EXTRA DL COLLECT=RY WASHINGTON DC 22 648P JUN 23 AM 7 21
INTERNATIONAL BROADCASTING CORP= CHARGE
RADIO STATION K W K H COMMERCIAL NATIONAL BANK BLDG
SHREVEPORT LOU=

RELET 19 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM JUNE 24 PENDING ACTION ON
PROOF OF PERFORMANCE AND APPLICATION=
T J SLOWIE SECRETARY FCC.

19 24.

60288

File No. B3-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of
INTERNATIONAL BROADCASTING CORPORATION
which was heretofore extended to June 1, 1942, is hereby
further extended upon a temporary basis only, pending
determination upon the application for renewal of license,
in no event later than 3 a.m., Eastern Standard Time,
July 1, 1942.

Dated this 26th day of May, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

Secretary. *WPM*

(SEAL)

WPM

STANDARD TIME INDICATED
RECEIVED AT 525 Market S Telephone 5341
TELEPHONE YOUR TELEGRAMS TO POSTAL TELEGRAPH

Postal Telegraph

Mackay Radio
Commercial Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-
GRAM OR RADIOGRAM UNLESS OTHERWISE
INDICATED BY SYMBOL IN THE PREAMBLE
OR IN THE ADDRESS OF THE MESSAGE.
SYMBOLS DESIGNATING SERVICE SELECTED
ARE OUTLINED IN THE COMPANY'S TARIFFS
ON HAND AT EACH OFFICE AND ON FILE WITH
REGULATORY AUTHORITIES.

46 D112 D.NOA520 34 DL 2 EXTRA COLLECT= RY WASHINTON DC 20 829P=
INTERNATIONAL BROADCASTING CORP= **398VHJ** MAY 20 PM 10 43
RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG=SHREVEPORTLOU
= RELET 19 ATTORNEY AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM MAY 24 PENDING ACTION KNOWN
APPLICATION AND PROOF OF PERFORMANCE=
WM P MASSING ACTING SECRETARY FEDERAL COMMUNICATIONS COMMISSION

Antony

45
59467

File No. B5-S-462

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

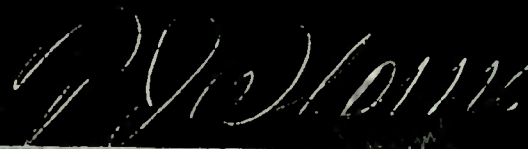
The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended to 3 a.m., Eastern Standard Time, May 1, 1942, is hereby extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event longer than 3 a.m., Eastern Standard Time, June 1, 1942.

Dated this 21st day of April, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION


Secretary

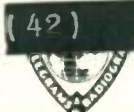
(SEAL)

WTH

STANDARD TIME INDICATED	
RECEIVED AT	Main Office
SV-	525 Main St
TELEPHONE CABLE	
TO POSTAL TELEGRAPH	

Postal Telegraph

Mackay Radio
Commercial Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 16
D118 .D.NOA436 34 1 EXTRA COLLECT DL=RY WASHINGTON DC 21 850P
INTERNATIONAL BROADCASTING CORP CHARGE APR 21 PM 9 52
RADIO STATION KWKH COMMERCIAL NATIONAL BAK BLDG TEXAS
AND MARKET STS SHREVEPORT LOU=

RELET 18 ATTORNEY AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHT TIME
OPERATION FOR PERIOD THIRTY DAYS FROM APRIL 24 PENDING ACTION
ON APPLICATION AND PROOF OF PERFORMANCE=
:T J SLOWIE SECRETARY FCC.

18 24

58989

File No. B5-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of
INTERNATIONAL BROADCASTING CORPORATION,

heretofore extended upon a temporary basis to April 1, 1942,
is hereby further extended upon a temporary basis only, pending
determination upon the application for renewal of license, in
no event later than 3 a.m., Eastern Standard Time, May 1, 1942.

Dated this 24th day of March, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION



Secretary. 

(SEAL)

tmr

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address

WESTERN UNION (24)

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA295 33 DL COLLECT 1 EXTRA WASHINGTON DC 24 751P
INTERNATIONAL BROADCASTING CORP. RADIO STATION KWKH
COMMERCIAL NATIONAL BANK BLDG SPORT

RELET 20 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM MARC 26
PENDING ACTION ON APPLICATION AND PROOF OF PERFORMANCE

T J SLOWIE SECRETARY F C C.

20 26

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

58003

File No. B3-S-452Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

heretofore extended upon a temporary basis to March 1, 1942,
is hereby further extended upon a temporary basis only, pending
determination upon the application for renewal of license, in
no event later than 3 a.m., Eastern Standard Time, April 1, 1942.

Dated this 24th day of February, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

Secretary. *W. J. ...*

(SEAL)

W111

57184

File No. B3-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

expiring 3 a.m., Eastern Standard Time, February 1, 1942, is hereby extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event longer than 3 a.m., Eastern Standard Time, March 1, 1942.

Dated this 27th day of January, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION


Secretary.

(SEAL)

W17M

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

39

AA247 33 DL COLLECT 1 EXTRA=WASHINGTON DC 20 722P
INTERNATIONAL BROADCASTING CORP,RADIO STATION KWKH=
COMMERCIAL NATIONAL BANK BLDG SPORT=

1942 FEB 20 PM 7 25

RELET 19 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM FEBRUARY 26
PENDING ACTION ON APPLICATION AND PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FCC.

Relet to Anthony
CB

.19 26. •

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION⁽²⁸⁾

1201

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA231 33 DL COLLECT 1 EXTRA=WASHINGTON DC 20 42 30 PM 6 20

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG

SPORT=

RELET 6 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM JANUARY 27 PENDING
ACTION ON APPLICATION AND PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION.

*Read to Bishop 6:35 PM
1/20/42*

6 27.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION (00)

1201

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

37

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

NSA946 34 1 EXTRA GOVT DL COLLECT=WASHINGTON DC 15 634P

INTERNATIONAL BROADCASTING CORP=

1941 DEC 15 PM 8 05

RADIO STATION K. W K H COMMERCIAL NATIONAL BANK BLDG

SPORT=

RELET 15 ATTORNEY, AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS. UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHT TIME OPERATION FOR PERIOD THIRTY DAYS FROM DECEMBER
28 PENDING ACTION ON APPLICATION AND PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FCC.

Read to Mr. Anthony
CP

15 28 FCC.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

R. E. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA353 34 DL COLLECT 2 EXTRA= WASHINGTON DC 19 648P

INTERNATIONAL BROADCASTING CORP=

RADIO STATION K W K H COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 18 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM NOVEMBER 27 PENDING
ACTION ON APPLICATION AND PROOF OF PERFORMANCE=

WM P MASSING ACTING SECRETARY.

.18 27.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

STANDARD TIME INDICATED
RECEIVED AT
TELEPHONE YOUR TELEGRAMS TO POSTAL TELEGRAPH



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 16

NOA136 32 1 EX DL COLLECT=RY WASHINGTON DC 20 736P
INTERNATIONAL BROADCASTING CORPN RADIO STATION KWKH
COMMERCIAL NATL BANK BLDG SHREVEPORT LOU:

=RELET 17 AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS UNLIMITED
TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME OPERATION FOR
PERIOD THIRTY DAYS FROM OCTOBER 28 PENDING ACTION ON
APPLICATION AND PROFF OF PERFORMANCE=

T J SLOWIE SECRETARY F C C.

Read to Mr. Anthony
CB

17 28. F C C.

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

(58)

SYMBOLS

DL=Day Letter
NT=Overnight Telegram
LC=Deferred Cable
NLT=Cable Night Letter
Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

34

AA365 31 DL COLLECT 1 EXTRA=WASHINGTON DC 19 627P

INTERNATIONAL BROADCASTING CORP,RADIO STATION.

KWKH COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 18 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM SEPTEMBER 27 PENDING
ACTION ON PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FCC.

.18 NIGHTTIME 27 FCC. APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

RECEIVED BY PRIVATE
WIRE FROM
POSTAL TELEGRAPH
STANDARD TIME INDICATED
IN THIS MESSAGE

Postal Telegraph

Mackay Radio
Commercial Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-
GRAM OR RADIOGRAM UNLESS OTHERWISE
INDICATED BY SYMBOL IN THE PREAMBLE
OR IN THE ADDRESS OF THE MESSAGE.
SYMBOLS DESIGNATING SERVICE SELECTED
ARE OUTLINED IN THE COMPANY'S TARIFFS
ON HAND AT EACH OFFICE AND ON FILE WITH
REGULATORY AUTHORITIES.

Form 16 PW

SV1 31 DL COLLECT 1 EXTRA=RU WASHINGTON DC AUG21 1941 1250P
INTERNATION BROADCASTING CORPN=N=RADIO STATION KWKH
COMMERCIAL NATIONAL BANK BLDG SVPORT=

:RELET 15 ATTORNEY AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION OR PERIOD THIRTY DAYS FROM AUGUST 28
PENDING ACTION ON PROOF OF PERFORMANCE:

:T J SLOWIE SECRETARY FCC.

14 23. 230P RSV 1 AD

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION (41)

1201

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
C = Deferred Cable
LT = Cable Night Letter
Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA223 31 DL COLLECT 1 EXTRA=WASHINGTON DC 15 809P 1941 JUL 15 PM 7 43

INTERNATIONAL BROADCASTING CORP=

RADIO STA KWKH COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 15 ATTORNEY. AUTHORITY EXTENDED OPERATE 50 KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM JULY 28 PENDING
ACTION ON PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS COMMISSION.

15 50 28.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter
NL = Night Letter
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. (42)..
FIRST

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination.

AA240 31 DL 1 EXTRA COLLECT=WASHINGTON DC 24 724P
INTERNATIONAL BROADCASTING CORP. RADIO STATION KWKH=
COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 24 ATTORNEY AUTHORITY EXTENDED OPERATE 50 KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM JUNE 28 PENDING
ACTION OF PROOF OF PERFORMANCE=

T J SLOWIE SECY FCC.

24 50 28.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter

NL = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is shown at point of destination.

AA 199 33 1 EXTRA DL COLLECT= WASHINGTON DC 27 712P

INTERNATIONAL BROADCASTING CORP, RADIO STATION MAK 27 PM 6 58
COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 26 ATTORNEY. AUTHORITY EXTENDED TO OPERATE 50
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION FOR PERIOD OF THIRTY DAYS FROM MAY 28
PENDING ACTION ON PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION.

26 50 28 SLOWIE.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL=Day Letter
NT=Overnight Telegram
LC=Deferred Cable
NLT=Cable Night Letter

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLYER
FIRST VICE-PRESIDENT

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

29

SVH118 50 DL COLLECT 1 EXTRA= WASHINGTON DC 29 152P

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATL BANK=

RETEL 28. AUTHORITY EXTENDED TO OPERATE 50 KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD OF THIRTY DAYS FROM APRIL 28 PENDING
ACTION ON PROOF OF PERFORMANCE ALSO AUTHORITY TO REPLACE
CENTER TOWER BASE METER AND REMOTE ANTENNA METER AS OUTLINED
IN TELEGRAM OF 28TH=

T J SLOWIE SECRETARY FCC

23 50 28 28 FCC.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL=Day Letter

NT=Overnight Telegram

LC=Deferred Cable

NLT=Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVE
FIRST VICE-PRESIDENT

(18).

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

1941 APR 8 PM 8:20
)NSA 806 41 DL COLLECT 1 EXTRA=WASHINGTON DC 8 752P

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET ATTORNEY B. AUTHORITY GRANTED EXTENSION OPERATE FOR
PERIOD NOT TO EXCEED TEN DAYS FROM APRIL 8 ON 1130

KILOCYCLES POWER OF FIFTY KILOWATTS EMPLOYING DIRECTIONAL
ANTENNA NIGHT TIME PENDING RECEIPT AND COMMISSION ACTION ON
PROOF OF PERFORMANCE MEASUREMENTS=

T J SLOWIE SECY FCC.

8 8 1130. PANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter

NL = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. I. (15)
FIRST VICE

1941 MAR 28 PM 5 12
at of destination

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt in CMA is 15 minutes after time of filing at destination.

SVH265 38 1 EXTRA DL COLLECT=WASHINGTON DC 28 600P

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATL BANK BLDG

TEXAS & MARKET STS=

NEW PROOF OF PERFORMANCE NOT RECEIVED. RENEWAL OF LICENSE
KWKH GRANTED 1130 KC 25 KW NIGHT 50 KW DAY KWKH DIRECTED
TO OPERATE WITH THIS POWER EFFECTIVE MARCH 29 PENDING
RECEIPT AND APPROVAL PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FCC.

1130 KC 25 KW 50 KW KWKH 29 FCC.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

SYMBOLS

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA204 40 DL 1 EXTRA COLLECT=WASHINGTON DC 28 724P

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KKKH COMMERCIAL NATL BANK BLDG TEXAS
& MARKETS STS SPORT=

AUTHORITY GRANTED TO OPERATE WITH 50 KILOWATTS EMPLOYING
NIGHTTIME DIRECTIONAL PATTERN DAYTIME MARCH 29 IN ORDER
TO EXPEDITE PROOF OF PERFORMANCE MEASUREMENTS IF MEASUREMENTS
SUBMITTED NOT SATISFACTORY STATION WILL REVERT TO 25
KILOWATTS NIGHTTIME AND 50 KILOWATTS DAYTIME PENDING
SUBMISSION AND APPROVAL OF DIRECTIONAL ANTENNA DATA=

T J SLOWIE SECRETARY FCC

50 25 25 50 FCC WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter

NL = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA135 29 COLLECT 1 EXTRA-WASHINGTON DC 29 135P
INTERNATIONAL BROADCASTING CORP.

RADIO STATION TWKH-COMMERCIAL NATL BANK BLDG TEXAS &
MARKET STS SPORTS

RETEL 29. ON BASIS PRELIMINARY MEASUREMENTS SUBMITTED
AUTHORITY GRANTED OPERATE PERIOD NOT TO EXCEED 10 DAYS
ON 1130 KILOCYCLES POWER OF 50 KILOWATTS EMPLOYING
DIRECTIONAL ANTENNA NIGHTTIME

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION.

29 10 1130 50. WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

SYMBOLS

DL = Day Letter

NL = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C.
FIRST

(299) MAR 28

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA227 15 DL COLLECT 1 EXTRA=WASHINGTON DC 28 1113P

INTERNATIONAL BROADCAST CORP=

RADIO STATION K W K H COMMERCIAL NATL BANK BLDG TEXAS

& MARKET STS SPORT=

RETEL 28 AUTHORITY GRANTED OPERATE DIRECTIONAL PATTERN
DURING DAYTIME EXTENDED TO APRIL 3=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION. 5

74407

28 3.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

(24)

SYMBOLS

DL = Day Letter

NL = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination.

AA221 15 1 EXTRA GOVT WASHINGTON DC 31 926P

INTERNATIONAL BROADCASTING CORP, RADIO STATION KWKH

COMMERCIAL NATL BANK BLDG TEXAS & MARKET STS SPORTS

YOUR FREQUENCY UNDER HAVANA LISTINGS 1130 EFFECTIVE MARCH

29. COMMISSION RELEASE WILL BE MAILED.

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION.

1130 29.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

R. B. WHITE
PRESIDENT

NEWCOMB CLINTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

SYMBOLS

DL = Day Letter

NLT = Cable Night Letter

LC = Deferred Cable

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA190 19 COLLECT 1 EXTRA DL=SB WASHINGTON DC 9 533P
INTERNATIONAL BROADCASTING CORP=
RADIO STATION K W K H COMMERCIAL NATIONAL BANK BLDG
TEXAS AND MARKET STS SPORT=
RELET ATTORNEY 8. TIME WITHIN WHICH TO FILE PROOF OF
PERFORMANCE MEASUREMENTS EXTENDED TO JANUARY 20, 1941.=
T J SLOWIE SECRETARY F C C.

8 20 1941 F C C.

THE COMPANY

APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

STANDARD TIME INDICATED
RECEIVED AT
TELEPHONE YOUR TELEGRAM TO POSTAL TELEGRAPH

Postal Telegraph

(00)

Mackay Radio
Commercial Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 21 D114 D.NOA405 (SIX) 33 1 EX DL COLL RY WASHINGTON DC 15 730P=
= INTERNATIONAL BROADCASTING CORPORATION DEC 15 PM 8 30
RADIO STATION K W K H COMMERCIAL NATIONAL BANK
SHREVEPORT LA=

RELET ATTORNEY 14 AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHT TIME
OPERATION FOR PERIOD THIRTY DAYS FROM DECEMBER 19 PENDING ACTION
ON PROOF OF PERFORMANCE AND APPLICATION=
: T J SLOWIE SECRETARY

14 19

STANDARD TIME INDICATED

RECEIVED AT **WASHINGTON OFFICE**

SV - 525 Market St.

Telephone 5211

TELEPHONE YOUR TELEGRAMS
TO POSTAL TELEGRAPH

Postal Telegraph

Mackay Radio
Commercial Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 10

N054 31 1 EX DL COLLECT=RY WASHINGTON DC 14 156P

INTERNATL BROADCASTING CORPN=

RADIO STATION KWKH COMMCL NATL BANK BLDG TEX AND MARKET STS

SHREVEPORT LOU=

RELET ATTORNEY 13. AUTHORITY OPERATE EITHER DIRECTIONAL OR NON-DIRECTIONAL DURING DAYTIME HOURS EXTENDED FOR PERIOD NOT TO EXCEED FIFTEEN DAYS IN ORDER TO COMPLETE PROOF OF PERFORMANCE MEASUREMENTS=

T J CLOWIE SECRETARY FCC.

13.

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

(15)

SYMBOLS

DL = Day Letter

L = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA 196 18 GOVT DL COLLECT=R WASHINGTON DC 9 DEC 9 PM 6 16
INTERNATIONAL BROADCASTING CORP. RADIO STATION KWKH
COMMERCIAL NATIONAL BANK BLDG TEXAS AND MARKET STS SPORT=

RELET ATTORNEY 6 TIME WITHIN WHICH TO FILE PROOF OF
PERFORMANCE MEASUREMENTS EXTENDED TO JANUARY 10 1941=

T J SLOWIE SECRETARY F C C.

6 10 1941.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

(52)

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

1940 NOV 27 PM 5 53

IAA216 34 DL COLLECT 1 EXTRA=WASHINGTON DC 27 545P
INTERNATIONAL BROADCASTING CORPN,RADIO STATION K W K H
COMMERCIAL NATL BANK BLDG TEXAS & MARKET STS SPORT=

RETEL 26. AUTHORITY GRANTED OPERATE TWO 100 WATT
TRANSMITTERS ON 1100 KC DURING EXPERIMENTAL PERIOD FOR
PERIOD NOT TO EXCEED TEN DAYS BEGINNING NOVEMBER 28 IN
ORDER FACILITATE READJUSTMENT KWKH DIRECTIONAL ANTENNA=
T J SLOWIE SECRETARY FCC.

26 100 1100 KC 28 KWKH ANTENNA.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

STANDARD TIME INDICATED
RECEIVED AT
TELEPHONE YOUR TELEGRAMS TO POSTAL TELEGRAPH

Postal Telegraph

Mackay Radio
Commercial Cables



(30) cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 16

NO147 30 DL COLLECT 1 EXTRA=RY WASHINGTON DC 26 643P

INTERNATIONAL BROADCASTING CORP=

NOV 26 PM 6 33

RADIO STATION KWKH COMMERCIAL NATL BANK BLDG TEXAS & MARKET STS

RELET ATTORNEY. AUTHORITY OPERATE EITHER DIRECTIONAL OR
NON-DIRECTIONAL DURING DAYTIME HOURS EXTENDED FOR PERIOD NOT TO
EXCEED TWENTY DAYS IN ORDER TO FACILITATE PROOF OF PERFORMANCE
MEASUREMENTS=

T J SLOWIE SECRETARY F C C.

COMMISSIONERS

JAMES LAWRENCE FLY, CHAIRMAN
THAD H. BROWN
PAUL A. WALKER
NORMAN S. CASE
GEORGE HENRY PAYNE
T. A. M. CRAVEN
FREDERICK I. THOMPSON

ADDRESS ALL COMMUNICATIONS
TO THE SECRETARY

T. J. SLOWIE, SECRETARY

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D. C.

November 13, 1940

International Broadcasting Corporation
Radio Station K W K H
Commercial National Bank Building
Texas and Market Streets
Shreveport, Louisiana

Gentlemen:

Receipt is acknowledged of a letter dated November 9, 1940, from your attorney requesting extension of time in which to make new proof of performance measurements.

This letter authorizes extension of 30 days from November 10, 1940 in which to submit the additional proof of performance measurements as outlined in the Commission's telegram of July 11, 1940.

Very truly yours


T. J. Slowie
Secretary

CC: Mr. Charles V. Wayland

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

SYMBOLS

DL = Day Letter

NL = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA175 35 DL COLLECT 1 EXTRA=WASHINGTON DC 30 1400GT 30 PM 5 31

INTERNATIONAL BROADCASTING CORP., RADIO STATION KWKH

COMMERCIAL NATL BANK BLDG TEXAS & MARKET STS SPORT=

RELET ATTORNEY 26. RETEL ENGINEER 29. AUTHORITY GRANTED
OPERATE EITHER DIRECTIONAL OR INDIRECTIONAL DURING DAYTIME
HOURS FOR PERIOD NOT TO EXCEED TWENTY DAYS AS NECESSARY IN
ORDER TO FACILITATE PROOF OF PERFORMANCE MEASUREMENTS=

T J SLOWIE SECRETARY

FEDERAL COMMUNICATIONS COMMISSION.

26 29.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

FEDERAL COMMUNICATIONS COMMISSION

43250

Washington, D. C.

September 11, 1940

PUBLIC NOTICE

The Commission today entered an Order further extending standard broadcast station authorizations expiring October 1, 1940 for an additional period ending March 29, 1941. The order applies to all standard broadcasting station licensees and extends the expiration date of all such licenses for which applications for renewal have been filed. If an application for renewal for regular operation covering the period beyond August 1, 1940 has been filed, it will not be necessary to refile such application under the provisions of the Commission's order.

The Order of the Commission by its own terms extends the effective date of the licenses to which it applies. Modified licenses to cover the new expiration date will not be issued. Licensees are required to post the Commission's Order attached to their licenses in accordance with the rules governing posting of licenses.

COMMISSIONERS

ADDRESS ALL COMMUNICATIONS

TO THE SECRETARY

JAMES LAWRENCE FLY, CHAIRMAN

THAD H. BROWN

PAUL A. WALKER

NORMAN S. CASE

GEORGE HENRY PAYNE

T. A. M. CRAVEN

FREDERICK I. THOMPSON

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D. C.

T. J. SLOWIE, SECRETARY

September 4, 1940

International Broadcasting Corporation
Radio Station K W K H
Commercial National Bank Building
Texas and Market Streets
Shreveport, Louisiana

Gentlemen:

Receipt is acknowledged of a letter dated August 31, 1940, from your attorney, requesting extension of time in which to submit additional proof of performance data due to the inability to secure necessary insulators and meters.

This letter authorizes extension of 30 days from September 10, 1940, in which to submit the additional proof of performance measurements as outlined in the Commission's telegram of July 11, 1940.

Very truly yours,


John B. Reynolds
Acting Secretary

CC: Mr. Ben S. Fisher

RECEIVED BY PRIVATE
WIRE FROM
POSTAL TELEGRAPH

STANDARD TIME INDICATED
IN THIS MESSAGE

Postal Telegraph

Mackay Radio
Commercial Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE-
GRAM OR RADIOGRAM UNLESS OTHERWISE
INDICATED BY SYMBOL IN THE PREAMBLE
OR IN THE ADDRESS OF THE MESSAGE.
SYMBOLS DESIGNATING SERVICE SELECTED
ARE OUTLINED IN THE COMPANY'S TARIFFS
ON HAND AT EACH OFFICE AND ON FILE WITH
REGULATORY AUTHORITIES.

Form 16 PW

SV3 41 DL COLLECT 1 EXTRA: RU WASHINGTON DC JUL 11 1940 510P

INTERNATIONAL BROADCASTING CORP=RADIO STATION KWKH

COML BLDG TEX AND MKT STS SVPORT=

RELET 8. ON BASIS YOUR CONSULTING ENGINEERS RECOMMENDATIONS
AUTHORITY GRANTED OPERATE THIRTY DAYS BEGINNING JULY 10 DURING
EXPERIMENTAL PERIOD MAKING CHANGES GROUND SYSTEM, PHASE MONITOR
PICKUP AND MODIFIED PHASING AND CURRENT RATIOS IN ORDER SUBMIT
ADDITIONAL PROOF PERFORMANCE DATA=

T J SLOWIE SECRETARY FCC.

8. 452PM.. RW

12-11-40
5:10 PM
N.S.

FEDERAL COMMUNICATIONS COMMISSION

Washington, D. C.

41565

June 12, 1940

O R D E R

At a meeting of the Federal Communications Commission, held at its offices in Washington, D. C., on the 11th day of June, 1940,

The Commission having under consideration its Orders of January 29 and February 15, 1940, entered for the purpose of facilitating the carrying out of the North American Broadcasting Agreement, and establishing the expiration date of outstanding instruments of authorization for standard broadcast stations as of August 1, 1940, and

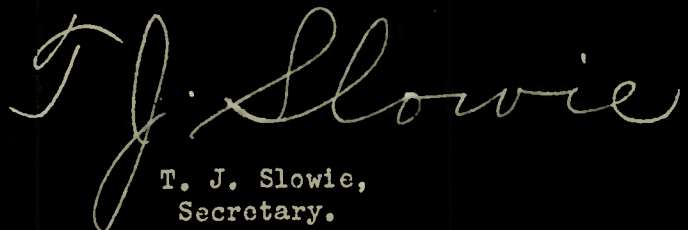
The Commission also having under consideration applications for renewal of such instruments of authorization heretofore filed, and

IT APPEARING that the carrying out of the provisions of said Agreement cannot be completed by August 1, 1940,

IT IS ORDERED, That all instruments of authorization for the operation of standard broadcast stations expiring August 1, 1940, and for which applications for renewal have been filed with the Commission, pending further consideration of said applications, BE, AND THE SAID INSTRUMENTS OF AUTHORIZATION ARE HEREBY, EXTENDED to expire at 3 a.m. E.S.T., October 1, 1940.

This Order shall become effective immediately.

FEDERAL COMMUNICATIONS COMMISSION


T. J. Slowie,
Secretary.

June 11, 1940

STANDARD BROADCAST STATION LICENSES EXTENDED
PENDING COMPLETION OF TREATY REALLOCATIONS

- o -

In order to permit further studies of the frequency assignments to stations under the North American Regional Broadcast Agreement, the Federal Communications Commission today extended standard broadcast station licenses expiring August 1 for an additional two months, to October 1. The Commission will announce at a later date the procedure with respect to the licensing of facilities which will be available under the provisions of this agreement.

Today's order applies to all standard broadcast stations, and automatically extends the expiration date of all licenses for which applications for renewals have been filed. Modified licenses to cover the new expiration date will not be issued.

Licensees who have not as yet submitted renewal applications are notified that in order to permit operation after August 1 applications for renewal, based on the present authorized facilities, must be filed. However, if an application for renewal covering the period beyond August 1 has been filed, it will not be necessary to re-file such application under the provisions of today's order.

Licensees are required to post the Commission's order attached to their licenses in accordance with the rules governing posting of licenses.

- F C C -

D TIME INDICATED

Postal Telegraph

Mackay Radio
Commercial Cables



America Cables
Canadian Pacific Telegraphs

TELEPHONE YOUR TELEGRAMS
TO POSTAL TELEGRAPH

THIS IS A FULL RATE TELEGRAM OR RADIOGRAM UNLESS INDICATED BY SYMBOL IN THE ADDRESS OF THE SYMBOLS DESIGNATING SERVICE ARE OUTLINED IN THE COMPANION HANDBOOK ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

SV1 33 COLLECT DL 1 EXTRA=RU WASHINGTON DC 1252P JAN 31, 1940=

INTERNATIONAL BROADCASTING CORPN=RADION STATION KWKH
PXX SHREVEPORT=

THE COMMISSION HAVING UNDER CONSIDERATION THE NORTH AMERICAN
REGIONAL BROADCASTING AGREEMENT HAS GRANTED APPLICATION FOR
RENEWAL OF ~~LYONZ~~ OF STATION KWKH FOR THE PERIOD ENDING 3 AM
EST AUGUST 1 1940=

Licence

T J SLOWIE SECY FCC.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCASTING STATION LICENSE

CLASS II STATION

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning February 1, 1940, and ending August 1, 1940
(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 1100 kc. and 50 kilo watts from 6 a.m. to local sunset only.
2. With power of 50 kilo watts; Antenna current 19.0 amperes for 50 kilo watts; xxx amperes for xxx watts.
Antenna resistance 140 ohms. for 50 kilowatts for non-directional antenna.
3. During the following period or periods of time:
Unlimited time.
Average hour of local sunset:
February, 6:00 p.m.; March, 6:15 p.m.;
April, 6:45 p.m.; May, 7:00 p.m.; June,
7:30 p.m.; July, 7:30 p.m.; Central
Standard Time.
Employing directional antenna night.
Directional antenna system: three-element
array***, height of vertical lead each
radiator 475', overall height 486', spaced
112.5° on a line bearing 25° true. Current
phasing: North tower, +90°; Center tower,
0°; South tower, -90°. Current ratios:
North tower, 1.0; Center tower, 1.835;
South tower, 1.0. Phase monitor indications
(mounted in speech input relay rack): North
tower leads center tower by 190°; south
tower leads center tower by 67°; South tower
leads north tower by 237°.
4. Under the call letters KWKH
5. With the main studio of the station located at:
Commercial National Bank Building,
Texas and Market Sts.,
Shreveport, Louisiana.

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

Cem Road, Dixie, Louisiana.

Lat. 32° 42' 25" North,

Long. 93 53 10 West.

and is described as follows: WESTERN ELECTRIC, Type 306-A-Modified Broadcasting Transmitter. Direct Crystal Control. Last radio stage: four 12500 watt vacuum tubes for low level modulation (Federal Telegraph F-124-A). Maximum rated carrier power output 50 kilowatts. The field intensity at night of Station KWKH measured at the monitoring points described on the attached sheet shall not exceed the following values: Point #1, 27.5 mv/m; Point #2, 34.5 mv/m. Towers to be painted and lighted in accordance with specifications dated 1-4-40, said specifications to be posted by the licensee with this license (Sec. 3.87).
For emergency purposes only, when by reason of breakdown or similar reason the said apparatus cannot be used, the licensee is authorized to use and operate (but only in accordance with the terms and conditions of this license) the auxiliary radio transmitting apparatus located at: xxx

***Ground system: 120 - 375' radials buried 4 to 6" around the base of each tower.

Antenna current at common point - 11.1 amperes for 50 kilowatts.

Antenna resistance at common point - 404.0 ohms for 50 kilowatts.

Non-Directional antenna: Center tower of directional array is used; end towers detuned by grounding.

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.

Dated this 29th day of January, 1940

[SEAL]

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

Secretary.

DESCRIPTION OF MONITORING POINTS:

Point #1, direction of Atlantic City, N. J. This point is site #15 on radial B and is located on a farmer's lane on the east side of U. S. Highway No. 71 and at a distance of 0.2 miles from the center of the highway. Another farm lane crosses the farm lane shown on the map at the measuring point, and the farmer's lane on which measuring site #15 falls, leaves Highway No. 71 at a point 1.82 miles north of the intersection of Gamm Road.

Point #2, direction of Vancouver, B. C. This point is site #16 on radial I and is located 1.6 miles east of State Route No. 8 on Belcher-Caddo City road northeast of Oil City, La., beside a stumpy marsh.

SV Main Office
525 Market St.
TELEPHONE YOUR TELEGRAMS
TO POSTAL TELEGRAPH

Postal Telegraph

(14)

Mackay Radio
Commercial Cables



All America Cables
Canadian Pacific Telegraphs

THIS IS A FULL RATE TELEGRAM, CABLE
GRAM OR RADIOGRAM UNLESS OTHERWISE
INDICATED BY SYMBOL IN THE PREAMBLE
OR IN THE ADDRESS OF THE MESSAGE.
SYMBOLS DESIGNATING SERVICE SELECTED
ARE OUTLINED IN THE COMPANY'S TARIFFS
ON HAND AT EACH OFFICE AND ON FILE WITH
REGULATORY AUTHORITIES.

Form 1A

NO146 47 DL COLLECT 1 EXTRA=RY WASHINGTON DC 28 231P

INTERNATIONAL BROADCASTG CORP=

1939 OCT 28 PM 2 19

RADIO STATION KWKH COMMCL NATL BK BLDG TEX AND MARKET STS

SHREVEPORT=

RELET ATTORNEY TWENTY EIGHTH. AUTHORITY GRANTED OPERATE UNDER
SPECIAL EXPERIMENTAL AUTHORIZATION B3-MSA-50 IN ACCORDANCE WITH
PROOF OF PERFORMANCE SUBMITTED THIS DATE. REVISED SPECIAL
EXPERIMENTAL AUTHORIZATIONS SETTING FORTH DETAILS OF
AUTHORIZED OPERATION WILL BE ISSUED. POWER TO BE DETERMINED BY

THE INDIRECT METHOD-

T J SLOWIE SECY FEDL COMMS COMMISSION.

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

R. B. WHITE
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

Letter
NM = Night Message
NL = Night Letter
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

SVB182 47 DL COLLECT 1 EXTRA= WASHINGTON DC OCT 4 1939 537P
RADIO STATION KWKH=

RETEL FOURTH AUTHORITY GRANTED OPERATE DAYTIME WITH NEW
DIRECTIONAL ANTENNA PERIOD NOT TO EXCEED TEN DAYS WHILE
COMPLETING FIELD INTENSITY MEASUREMENTS. SUCH OPERATION SHALL
CEASE IMMEDIATELY UPON COMPLETION OF MEASUREMENTS AND FURTHER
SUCH OPERATION NOT AUTHORIZED UNTIL PROOF OF PERFORMANCE HAS
BEEN SUBMITTED AND APPROVED=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS

COMMISSION. (515P)

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
SPECIAL TEMPORARY EXPERIMENTAL AUTHORIZATION
TO BROADCAST STATION
Modified as of February 27, 1939

In addition to the authorization contained in License No. B3-R-452
dated January 24, 1939, the LICENSEE

INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to construct the radio transmitting apparatus herein described only on the frequency of 1100 kilocycles, with 50 kilowatts power, unlimited time, using conventional non-directive antenna in daytime* and using directional antenna nighttime, for the term beginning February 27, 1939, and ending in no event later than 3 a.m., Eastern Standard Time, August 1, 1939.

*Average hour of local sunset: February, 6:00 p.m.; March, 6:15 p.m.; April, 6:45 p.m.; May, 7:00 p.m.; June, 7:30 p.m.; July, 7:30 p.m.; Central Standard Time.

The apparatus herein authorized to be constructed shall be located at 3 miles West of Dixie, near Dixie, Louisiana, Latitude - $32^{\circ} 42' 25''$ North, Longitude - $93^{\circ} 53' 10''$ West, and is described as follows:

WESTERN ELECTRIC, Type 306-A Broadcasting Transmitter.
Direct Crystal Control. Last radio stage: six 8.5 kilowatt vacuum tubes for low level modulation (W.E. 232-A).
Maximum rated carrier power output 50 kilowatts.

This modified special temporary experimental authorization is granted upon the following express conditions:

1. A directional antenna system shall be used consisting of 3-element array, height of each radiator 190° (475'), spaced 112° (275'), located on a line bearing 25° East of North; phasing - southwest tower plus 90, center tower 0, northeast tower minus 90; current ratio - southwest and northeast towers 1 and center tower 1.84.

2. The unabsorbed field intensity of KWKH at a distance of one mile from the transmitter in the directions of Atlantic City, New Jersey and New York, New York, shall not exceed 100 mv/m.

3. To designate with complete detail the field intensity monitoring stations at points between Station KWKH and Atlantic City, New Jersey and New York, New York, said sites to be in the clear so as to permit the taking of field intensity measurements of the unobstructed field of the stations located not more than 4 miles or less than one mile from the transmitter of KWKH.

4. Before any operation occurs during the regular broadcast day, data shall be submitted showing that operation is in accordance with the above specifications and that the field intensity pattern is in substantial agreement with the theoretical pattern specified in the application.

5. The towers shall be painted and lighted in accordance with the following specifications:

Each tower shall be painted throughout its height with alternate bands of international orange (orange yellow No. 5 of Color Card Supplement to the United States Army Quartermaster Corps Specifications No. 3-1) 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 one-half the width of the international orange bands.

For night marking there shall be installed at the top of each tower a flashing red hazard beacon similar to a 300 mm electric code beacon of the double Fresnel lens type, equipped with two 500-watt general lighting service lamps, Type PS-40, clear, mogul prefocus base (both lamps to burn simultaneously), and aviation red color shades. The 300 mm code beacon to be equipped with a flashing mechanism producing 40 flashes per minute, having a luminous period of one second and a period of darkness of one-half second.

At the 375, 275, 175 and 75-foot levels of each tower there shall be installed 100-watt lamps arranged so that one lamp at each level shall be visible from any angle of approach.

All 100-watt lamps to be Type A-21 clear bulb traffic signal lamps (2000 hours).

All lamps shall be enclosed in aviation red prismatic obstruction light globes and all lighting shall be exhibited from dusk to dawn.

The entire system of obstruction lighting shall be controlled by a Light Sensitive Control Device, the adjustment being such that lights will be turned on at a north sky light intensity level of 20-foot candles and turned off at a north sky light intensity level of 40-foot candles. Units furnished in accordance with Bureau of Air Commerce Specification No. BA-224 will be satisfactory.

There shall be installed a 24-inch 1000-watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility, otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of the rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal.

When and if such radio equipment is approved and commercially available, the licensee will be required to install and operate:

- (1) A radio marker of a type to be specified by the Civil Aeronautics Authority.
- (2) Any new development in warning devices which may be considered necessary to provide additional or improved marking for this obstruction - of a type or types to be specified by the Civil Aeronautics Authority.

2/27/39

Nothing contained herein shall be construed as a finding by the Commission on the question of additional marking or lighting of the antenna system should future conditions require. The licensee expressly agrees to install such marking or lighting as the Commission may hereafter require under the provisions of Section 303 (q) of the Communications Act of 1934.

Adequate red warning lights should be placed on the structures during the period of construction and until the specified obstruction lights are installed and in operation.

This special temporary experimental authorization is issued upon the express condition that the licensee (International Broadcasting Corporation) agrees to and will revert to the station's former assignment, (i.e., specified hours on 850 kilocycles, 10 kilowatts power) at any time without hearing upon ten (10) days notice to that effect by the Commission, and the acceptance and operation under the authority herein contained shall be conclusive of agreement hereto.

This special temporary experimental authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

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

Dated this 27th day of February, 1939.

By Direction of the FEDERAL COMMUNICATIONS COMMISSION

(Signed) T. J. Slowie

Secretary

(SEAL)
fbb

DOMESTIC	FOREIGN
TELEGRAM	FULL RATE CABLE
DAY LETTER	DEFERRED CABLE
NIGHT MESSAGE	NIGHT CABLE LETTERS
SHIP RADIOGRAM	RADIOGRAM

Patrons should check class of service desired, otherwise message will be transmitted as a full-rate communication

Postal Telegraph

THE INTERNATIONAL SYSTEM

Commercial
Cables



All America
Cables

Mackay

Radio

CHECK
TIME FILED
STANDARD TIME

Send the following message, subject to the terms on back hereof, which are hereby agreed to

Form 2

NO243 36 NL COLLECT 1 EXTRA RU WASHINGTON DC 25

1939 AUG 25 PM 9 56

INTERNATIONAL BROADCASTING CORP

RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG TEXAS AND MARKET STS SHREVEPORT

COMMISSION GRANTED KWKH AUTHORITY FOR EXCITATION OF SINGLE RADIATOR AS REQUESTED BEGINNING

AUGUST 28 ENDING NO EVENT LATER SEPTEMBER 26 BEGINNING ONE HOUR AFTER SUNRISE ENDING ONE HOUR

BEFORE SUNSET MAKE FIELD INTENSITY MEASUREMENTS

T J SLOWIE SECRETARY FCC

40-61

39-550000

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