

AM BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license,<sup>1</sup> the LICENSEE

McClatchy Newspaper

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time December 1, 1990 in accordance with the following:

1. Station location: Sacramento, CA (HOURS OF OPERATION ATTACHED)
2. Main Studio location: (Listed only if not at transmitter site or not within boundaries of principal community)
3. Remote control location: 1440 Ethan Way  
Sacramento, CA
4. Transmitter location: 1.5 miles N of Pleasant Grove, Nicolaus township near Pleasant Grove, CA
- North latitude : 38 ° 50 ' 54 "  
West longitude: 121 ° 28 ' 58 "
5. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)
6. Antenna and ground system: See page 2
7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1,3,6,15 & 21
8. Frequency (kHz.): 1530
9. Nominal power (kW): 50 Day  
50 Night
- Antenna input power (kW): 52.6 Day
- ☐ Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☒ Directional antenna : current 32.45 amperes; resistance 50 ohms.
- 52.6 Night
- ☐ Non-directional antenna: current \_\_\_\_\_ amperes; resistance \_\_\_\_\_ ohms.  
☒ Directional antenna : current 32.45 amperes; resistance 50 ohms.
10. Hours of operation: Specified in construction permit (BP -840911AJ & BMP-860826AH
11. Conditions:  
3/30/87 SUPERSEDED TO ADD HOURS OF OPERATION, CORRECT ANTENNA MONITOR SAMPLE CURRENT RATIO W(#1) TOWER AND OTHER TYPOS.

The Commission reserves the right during said license period of terminating this license or making effective any change, 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, as amended. 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, as amended.

<sup>1</sup> This license consists of this page and pages



June 1980

File NO. BL-861217AA

Call Sign: KFBK

Date:

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## 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two uniform cross section, guyed towers insulated at the base and in the center, Franklin antenna. Two half-wave sections excited in phase and carrying equal currents. Day: Theo RMS = 3545.8 mV/m/km. Std RMS: 3724.6 mV/m  
 Night: Theo RMS: 3126.13 mV/m/km, Std RMS: 3600.8 mV/m/km. Q factor: 97.5 day.  
 Height above Insulators: 652' (365°)

Overall Height: 662'

Spacing and Orientation: Spaced 170° on a line bearing 78° True.

Non-Directional Antenna: None used

Ground System consists of 120-322' equally spaced buried copper radials plus  
 - 360-50' copper radials. Overlapping radials bonded to copper bus.

## 2. THEORETICAL SPECIFICATIONS

|          |       |       |       |
|----------|-------|-------|-------|
| Phasing: | Tower | #1(W) | #2(E) |
|          | Night | 0°    | 19°   |
|          | Day   | 0°    | 12°   |

|              |       |     |      |
|--------------|-------|-----|------|
| Field Ratio: | Night | 0.9 | 1.0  |
|              | Day   | 1.0 | 0.42 |

## 3. OPERATING SPECIFICATIONS

|                    |       |    |     |
|--------------------|-------|----|-----|
| Phase Indication*: | Night | 0° | 19° |
|                    | Day   | 0° | 10° |

|                |       |      |       |
|----------------|-------|------|-------|
| Antenna Base   | Night | 1.00 | 0.806 |
| Current Ratio: | Day   | 1.00 | 0.198 |

|                        |       |      |       |
|------------------------|-------|------|-------|
| Antenna Monitor Sample | Night | 1.00 | 0.801 |
| Current Ratio:         | Day   | 1.00 | 0.34  |

\* As indicated by Potomac Instruments AM-19(204) antenna monitor.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 59.2° true North. From transmitter go west 0.25 mile to Pleasant Grove Road and turn north. At 3.5 miles north, turn east onto Marcum Road. Marcum Road becomes Nicolaus Road at the Sutter-Placer Counties line. Proceed 8.0 miles east and turn north onto Flight Line Road, the entrance to Lincoln Airport. Go north apx. 0.6 mile and stop at Airport Manager's office to secure permission for access to monitor point area. From airport administration area proceed west across tie-down area and enter upon Taxiway F, continue west as far as possible then turn north onto Taxiway A. Proceed north 0.15 mile then turn west onto Taxiway G. Proceed west 400 feet and park off north edge of Taxiway G. Proceed apx. northward by foot in a direction perpendicular to Taxiway G for a distance of 427 feet to a metal stake painted "KFBK". Exact location of the monitor point as marked by the stake, is 447 feet from the center of Taxiway G in the direction of N 330° E True, and 428 from the center of Taxiway A in the direction of N 240° E True. The field intensity measured at this point should not exceed 27.5 mV/m nighttime.

Direction of 96.8° true North. From transmitter go east on Catlett Road 7.2 miles and turn south onto Fiddymont Road. Proceed 0.75 mile south to a point half way between power poles 32/3 and 32/4. Proceed by foot into field on west side of road for a distance of 150 feet. The field intensity measured at this point should not exceed 31 mV/m, Nighttime.

Direction of 78 degrees true north. From transmitter go east on Catlett Road 1.7 miles and turn north onto Brewer Road. Proceed 1.5 miles north then turn east onto Moore Road. Proceed 5.0 miles to monitoring point No. 2. Monitoring point is on north edge of Moore Road and centered in driveway to home. The field intensity measured at this point should not exceed 119 mV/m, day; 39.2 mV/m, Nighttime.

Direction of 69 degrees true north. From transmitter go east on Catlett Road 1.7 miles and turn north onto Brewer Road. Proceed 1.5 miles north then turn east onto Moore Road. Proceed 4.0 miles and turn north onto Dowd Avenue. Proceed 0.7 mile to monitoring point. Monitoring point is on east edge of road. The field intensity measured at this point should not exceed 180 mv/m daytime.

Direction of 87 degrees true north. From transmitter go east on Catlett Road 5.7 miles and turn north onto Dowd Avenue. Proceed 0.4 mile to monitoring point. Monitoring point is 100 feet west of the road in a field toward the transmitter. The field intensity measured at this point should not exceed 191 mv/m daytime.

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\*\*\*\*\* MONTHLY LOCAL SUNRISE TIMES \*\*\*\*\*

|           |      |
|-----------|------|
| JANUARY   | 7:30 |
| FEBRUARY  | 7:00 |
| MARCH     | 6:15 |
| APRIL     | 5:30 |
| MAY       | 5:00 |
| JUNE      | 4:45 |
| JULY      | 4:45 |
| AUGUST    | 5:15 |
| SEPTEMBER | 5:45 |
| OCTOBER   | 6:15 |
| NOVEMBER  | 6:45 |
| DECEMBER  | 7:15 |

\*\*\*\*\* MONTHLY LOCAL SUNSET TIMES \*\*\*\*\*

|           |      |
|-----------|------|
| JANUARY   | 5:15 |
| FEBRUARY  | 5:45 |
| MARCH     | 6:15 |
| APRIL     | 6:45 |
| MAY       | 7:15 |
| JUNE      | 7:30 |
| JULY      | 7:30 |
| AUGUST    | 7:00 |
| SEPTEMBER | 6:15 |
| OCTOBER   | 5:30 |
| NOVEMBER  | 4:45 |
| DECEMBER  | 4:45 |

ANYMORE? =