-: C Form 352 December 1973

### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No .:

Call Sign: KRAI

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

## NORTHWESTERN COLORADO HROADCASTING CO.

is hereby authorized to use and operate the ra	adio transmitting apparatus	hereinafter described fo	or the purpose of broadcasting
for the term ending 3 a.m. Local Time	TT. 1 1077		_
The licensee shall use and operate said appa	ratus only in accordance wi	ith the following terms:	
1. On a frequency of 550 kHz.			
	nighttime and 5 with w	atts daytime,	
with antenna input power of 540	watts difectional	Anna Balak	current amperes
antenna nighttime	L	Common Point	resistance ohms,
and antenna input power of 5 kilo	watts directional	Common Point	current amperes
antenna daytime		Antenna Antenna	resistance 78 ohms
Hours of operation: Unlimited time			17.75
verage hours of sunrise and a		AUXILIARY	
Jan. 7:30am to 5:15pm; Feb.	7:00am to 5:45pm;		erent 7.51 amps.
Mar. 6:30am to 6:15pm; Apr.	5:30am to 6:45pm;		put power 1kv.
May 5:00am to 7:15pm; June	4:45am to 7:45pm;		
July 4:45am to 7:45pm; Aug.	5:15am to 7:15pm;		
Sep. 5:45am to 6:15pm; Oct.	6:15am to 5:30pm;		and the second sec
Nov 7:00am to 5:00pm; Dec.	7:30am to 4:45pm:		
Mountain Standard Time (Non-Adv	anced)		★ 1: 1, 3€
5. With the main studio located at:	lorado		, ¢;
125 West Victory Way			
6. The apparatus herein authorized to be used	l and operated is located at	: North Latitude:	0 I fi
		West Longitude: 4	0° 32 ' 45 ''
On Hwy. 13, approx. 1.2 miles ;	N. Of	1	07 31 52
Craig, Colorado			
7. Transmitter(s): CCA. 5009-D(MAIN)			
	YABW/		
(or other transmitter currently instead in the co	infission's "Radio Equipme	ent List, Part B, Aural	Broadcast Equipment" for the
power herein authorized).			
8. Obstruction marking specifications in acco	rdance with the following pa	aragraphs of FCC Form	
XXXXXXXXX			1, 3, 12 and 21.
Manual Andrews and Andrews			
Transmitters may be operated by	remote control fr	om 125 West Vie	tory Way, Craig.
Colorado, while using direction	al antenna.		

The Commission reserves the right during said license period of terminating this license or making effective any changes or modifica-'tion 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.

 $\frac{1}{1}$  This license consists of this page and pages

Dated:

APRIL 24, 1974







FCC FOTH 353-A October 1954 File No. \_\_\_\_ BR-2123 Call Letters <u>KRAI</u> Date \_ 1-24-7 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM 1. DA- N Two uniform cross-section, guyed, series-excited No. and Type of Elements: vertical steel radiators. Height above Insulators:  $312^{\circ}(62.7^{\circ})$ Overall Height: 317' Spaced 1370' (276°) on a line bearing 121° true. Spacing and Orientation: Non-Directional Antenna: Southeast tower used with the northwest tower opencircuited at the base. 120\_448' equally spaced, buried copper radials plus a Ground System consists of 24' square copper ground screen about the base of eask tower. Ground systems are connected with copper strap. THEORETICAL SPECIFICATIONS NORTHWEST TOWER (1) SOUTHEAST TOWER Phasing: 00 165.6 Field Ratio: 1.0 0.593 OPERATING SPECIFICATIONS з. 0<sup>0</sup> Phase Indication:\* 166<sup>0</sup> Antenna Base Current Ratio: 1.0 0.610 Antenna Monitor Sample Current Ratio: 1.0 0.610 \*As indicated by <u>Clarke 108E</u> phase monitor.

If remote control authority for directional operation is not authorized of if authorized but is not being used the base currents, their ratios and the deviation of these ratios in percent from the licensed values shall be entered in the maintenance log at least once e ery seven days with no less than five days elapsing between successive observations

#### LR-2123

Field intensity measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every thirty days and an appropriate record kept of all measurements so made.

## DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #2, direction of  $34^{\circ}$  true North. From the transmitter building travel East through the gate and into the lane. Thence go North about 0.2 mile to Highway 13. (Take Mileage). Proceed East on Highway 13, 2.45 miles to gate and gravel roadway on left. (Take Mileage). Turn left into lane and travel 0.3 mile to post No. 2, on right of lane along fence. Reading is taken on roadway opposite the post. Distance - 3.0 miles. The field intensity measured at this point should not exceed 15.8 mv/m.

Point #1, direction of  $24^{\circ}$  true North. (Take Mileage). From post No. 2, proceed westward on Winding road, through gulley and up hill, for a distance of 0.65 miles, post No. 1 is on the right fence line. Reading is taken opposite the post on the right of way. Distance - 2.55 miles. The field intensity measured at this point should not exceed 28.2 mv/m.

Point #3, direction of 208° true North. From the transmitter building proceed East through the gate. Turn left and travel North to Highway 13, at about 0.2 mile. (Take Mileage). Proceed left, west on Highway 13, 3.05 miles to Main Street (Highway 40) in Craig. (Take Mileage). Turn left on Highway 40 and proceed West 0.8 mile to crossroad. Turn left, South and proceed down lane 0.7 mile to an East-West fence line, just before a turn in the roadway. Reading is taken at post No. 3, which is located approximately 150 feet to the east of the roadway along the east-west fence line. Reading is taken opposite the post to the South of the fence. Distance - 3.0 miles. The field intensity measured at this point should not exceed 12.4 mv/m.

Point #4. direction of  $301^{\circ}$  true North. (Take Mileage). From the transmitter building drive East through the gate, turn left into lane and travel approximately 0.2 mile to Highway 13. (Take Mileage). At Highway 13 turn left, West, and travel 3.05 miles to Main Street in Craig. This is Highway 40. (Take Mileage). Turn right on Highway 40, West and travel 1.45 miles to junction of Highway 40 and 355, (take mileage). Turn right and travel northward on Highway 355 for a distance of 1.6 miles where the road forks. (Take Mileage). Keep straight ahead on the gravel road, county No. 31, and proceed 1.9 miles - watching for a gate on the right side of the roadway. At the gate (1.9) miles turn right into field and proceed about 0.3 mile to the Kline Ranch. The marker post is just west of the stucco house on the right side of the road. Reading is taken opposite the post on roadway. Distance - 2.25 miles. The field intensity measured at this point should not exceed 42.5 mv/m.

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