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Tribune Broadcasting Company

DATE: 11-29-93

DEAR SWL/DX FAN: WAYNE HEINEN

IT IS MY PLEASURE TO CONFIRM YOUR RECEPTION OF AM RADIO STATION KCTC LOCATED IN SACRAMENTO, CALIFORNIA, USA.

KCTC IS A 5000 WATT STATION THAT TRANSMITS FROM TWO SITES NEAR SACRAMENTO. SITE NUMBER ONE IS OUR DAYTIME SITE AND IS LOCATED ABOUT 5 MILES NORTH/WEST OF SACRAMENTO. THE SIGNAL IS DIRECTIONAL AND RADIATES IN BASICALLY A NORTH/SOUTH PATTERN. THIS DIRECTIONAL SIGNAL IS FORMED BY THREE TOWERS, TWO OF WHICH ARE 410 FEET TALL AND A SHORT TOWER THAT IS 190 FEET.

SITE NUMBER TWO IS OUR NIGHTTIME SITE AND IS LOCATED ABOUT 15 MILES NORTH/EAST OF SACRAMENTO. THIS SIGNAL IS ALSO DIRECTIONAL BUT TRANSMITS TOWARDS THE SOUTH/WEST. THIS SITE USES FOUR 250 FOOT TOWERS IN A LINE WITH ABOUT 300 FEET BETWEEN TOWERS.

DIRECTIONAL ANTENNAS ARE USED TO PROTECT OTHER U.S. STATION ON THE SAME FREQUENCY FROM INTERFERING WITH EACH OTHER.

THE DAYTIME TRANSMITTER IS ALL SOLID STATE, MEANING THERE ARE NO TUBES USED IN THE TRANSMITTER. 64 HIGH POWER TRANSISTORS MAKE UP THE FINAL AMPLIFIER. THE NIGHTTIME TRANSMITTER IS SOLID STATE UP TO IT'S FINAL AMPLIFIER AND MODULATOR. THOSE CIRCUITS USE A TOTAL OF TWO TUBES.

BOTH SITES TRANSMIT IN STEREO USING THE MOTORLA C-QUAM METHOD.

THE STATION IS OWNED BY TRIBUNE BROADCASTING CO. OF CHICAGO.

SACRAMENTO IS LOCATED IN CENTRAL CALIFORNIA ABOUT 100 MILES EAST OF SAN FRANCISCO. SACRAMENTO IS THE CAPITOL OF CALIFORNIA AND IS LOCATED IN ONE OF THE MOST FERTILE AGRICULTURAL AREAS OF THE STATE. SACRAMENTO IS WELL KNOWN FOR HOT SUMMERS AND MILD WINTERS. ABUNDANT LAKES AND RIVERS PROVIDE WATER SPORTS AND YEAR ROUND FISHING. THE NEARBY SIERRA NEVADA MOUNTAINS PROVIDE WINTER SKIING AND EXCELLENT TROUT FISHING.

WE LOOK FORWARD TO RECEIVING YOUR SWL REPORTS AND WISH YOU GOOD DX'ING LUCK IN THE FUTURE.

JAMES D. BALCOM

A handwritten signature in black ink, appearing to read "James D. Balcom", is written over the typed name.

CHIEF ENGINEER, KCTC-AM/KYMX-FM