This test made on 3rd. Monday
each month 3 00 AM TO 3 07 AM main trans.
(CST) 3 08 AM TO 3 15 AM aux. trans
For Freq. check
Earl Russell
Chief Engineer

Kermit Geary
R.D. 2, Box 298
Walnutport, Pa. 18088

January 23, 1973.

Chief Engineer
Radio Station K-L-E-O
6610 West 13th Street
Wichita, Kansas. 67212

Dear Sir,

While listening to Radio Station KLEO conducting a test broadcast on the morning of Monday, January 22, 1973, between 3:01 and 3:15 A.M., Central Standard Time, a distinct change in your signal strength was noted after 3:08½ A.M. I would appreciate your reply informing me whether the difference resulted from a change in power output or antenna systems, or both.

From 3:01 to 3:07 A.M., C.S.T., your signal was received with excellent strength and clarity, rating a report of 10 db. over S-9 and affording perfectly intelligible broadcast reception here on the East Coast. After a pause from 3:07 to 3:08½ A.M., your signal during the period from 3:08½ to 3:15 A.M. was received at an S-8 level and, while continuously audible, it encountered some interference from station WLEE, Richmond, Va. (250 miles south of here), which operates 24 hours per day on your frequency of 1480 kiloHertz. My logging of your test transmission follows:

KLEO, 1480 kiloHertz;
Monday morning, January 22, 1973,
3:01 to 3:15 A.M., Central Standard Time:
3:01 to 3:03¾ A.M., 1000-Hertz tone.
3:03¾ A.M., Announcement:
"At 1480 kilocycles on your radio dial, this is K L E O in Wichita, Kansas."
3:04 to 3:07 A.M., 1000-Hertz tone.
3:07 A.M., Announcement, same as at 3:03¾ A.M.
3:07 to 3:08½ A.M., Silence.
3:08½ to 3:11½ A.M., 1000-Hertz tone.
3:11½ A.M., Announcement, same as at 3:03¾ A.M.
3:11¾ to 3:15 A.M., 1000-Hertz tone.

5 KW on daytime dir. antenna

1 KW. on daytime dir. antenna

I heard KLEO on my Hammarlund HQ-180C communications receiver (18 tubes). My antenna is a single-wire inverted "L", 150 ft. long and 30 ft. high, extending toward the southeast, with the lead-in to the receiver coming off the northwest end. My ground connection is made to a well 175 ft. deep. I am situated in the eastern part of the State of Pennsylvania, 60 miles north of the city of Philadelphia and 1220 miles east of Wichita, Kansas.

Best wishes to you, sir, and to KLEO for continued success in broadcasting. I hope to receive your reply with information as to the difference in signal strength as noted above. Return postage is enclosed for your reply.

Very truly yours,

Kermit Geary

KERMIT E. GEARY
R. D. 2, BOX 298
WALNUTPORT, PA.
18088