

LOS ANGELES FIRST WITH TELEVISION BROADCAST

Don Lee Station Sending Out Daily Visual Signals to Be Built Into Pictures Eventually

Times comic strips of the air—KHJ at 8 a.m.
World-wide News, 10:30 p.m.

BY JOHN S. DAGGETT

With the near-dawn of the New Year comes this word from the Don Lee radio station, KHJ: "For the first time in the United States a regular daily television service using electrical scanning has been effected. Signals are being sent out between 6 and 7 p.m. daily."

But we'll let them tell the story: "Television is here. Without any fanfare of announcements it went quietly into operation at KHJ on Wednesday, the 23rd inst. at 6 p.m. This inauguration occurred at the Don Lee television station, W6XAO, situated at radio station KHJ, Seventh and Bixel streets.

"Due to the numerous false alarms and empty prophecies regarding television, the management of the Don Lee organization decided to establish the service before making any announcement. The signals that are being sent out between 6 and 7 p.m. daily usually consist of several vertical lines, allowing experimenters to adjust and synchronize their receivers. Voice announcement of frequency and call letters are made every fifteen minutes during the broadcasting. This is preparatory to the transmission of other images, which will be those of actors and actresses on special television film.

ON 6 3/4 METERS

"The signals are sent out on a frequency of 44,500 kilocycles, which corresponds to a wave length of six and three-quarter meters.

"Eighty lines are used in an image repeated fifteen times per second. The receiving area extends approximately forty miles from the point of projection. Already a portion of Los Angeles and environs has been mapped for television waves with the aid of a specially equipped automobile. It was found that the City Hall cast a pronounced shadow on the waves (political wranglings, perhaps) making reception difficult on the northeast side, which is opposite the Don Lee Building. Reception is also weakened by intervening hills.

"Electrical scanning is the newest type of television, differing from that of the ordinary scanning disk. The receiver is operated entirely from a 110-volt light socket with either fifty or sixty cycles. A new principle makes possible synchronization from the image pulse itself, making it immaterial which one of the power systems of the city serves the user.

APPARATUS USED

"The transmitter at station W6XAO is situated adjoining the television laboratory and is shielded to keep the currents isolated. Across the hall in a thick-walled room is the projector, especially made with a suspended amplifier and a switch for vocal signals. No alternating current lights can be allowed in this operating room as they would introduce a sixty-cycle interference in the image."

While the experimentation of the Don Lee organization is undoubtedly paying the way for the actual delivery of television to the public, I would not mislead you in the belief that this is to come "all-of-a-sudden-Peggy." To receive television as outlined above will require a specially constructed receiving set which is not yet on the market. It is good to know, however, that Los Angeles is vying with the New York centers of radio development in an effort to solve the enigma of television, "still just around the corner."

KFOX, Long Beach, 1270 K., 239.9 M.—11 a.m. to 12:30 p.m.; St. Luke's Episcopal Church services; First Church of Christ, Scientist, 8 p.m.

KFSG, Los Angeles, 1120 K., 267.7 M.—Angelus Temple Sunshine Hour, 8 a.m.; symphony, 9; services, 10:30 and 7:30; band, 8:30 p.m.; revival at 8.

KGER, Long Beach, 1300 K., 200.4 M.—8:30 a.m., M.E. Church, Long Beach radio pulpit; 9:30 a.m., Traulman's Men's Bible Class; 11 a.m., Calvary Church, Placentia; 5:30 p.m., St. Anthony's Hour; 7:30 p.m., Catholic services; 8 p.m., Calvary Church, Placentia.

KHJ, Los Angeles—First Methodist Episcopal Church, 11.

KNX, Los Angeles, 1050 K., 285.5 M.—Third Church of Christ, Scientist, 10:50 a.m.

7 to 11 a.m.

KECA—Organ, 10.

KFI—Piano Pictures (C.) 9; Western Artists (C.) 9:30; Helen Guest, ballads, 10; Walter Danrosch (C.) 10:15.

KFWB—Funny Paper Man, 8:15; records, 9.

KHJ—Inspirational talk, 8; Times' comic page, 8:05; records, 8:30; "Home Sweet Home" (KPRC.) 9.

KMPC—Melodics of Spain, 7; John Brown, 8:15.

KMTR—Ship Ahoy, 7; piano, 9:30.

KNX—Sharples' Gang, 7; Judge Rutherford, 10; Joseph Diskay, 10:35; Third Church of Christ, Scientist, 10:50.

KTM—Records, 7; Judge Rutherford, 8:30; Dr. Walter Raymond, 8:45; Bible Students' Watchtower, 9-10.

11 a.m. to 12 Noon

KECA—Records, 10; Temple Baptist Church, 11.

KFI—Sunday Bright Spots (C.) 11:15; Yeast Foamers (C.) 11:30.

KFWB—Jean Leonard, piano, 11.

KHJ—First Methodist Episcopal Church, 11-12.

KMTR—Muscle Land Revue, 11.

KNX—Third Church of Christ, Scientist, 11-12.

12 Noon to 2 p.m.

KECA—Records, 12:30; Songland (C.) 1; organ, 1:30.

KFAC—Studio Special, 12:30.

KFI—Beach Boys, 12; Florsheim Frolic (C.) 1; Lyric String Trio, 1:30.

KFWB—Records, 12.

KHJ—New York Philharmonic Symphony (C.) 12.

KMPC—Happy Chappies, 12; Fox Wildlife, 1:30.

KNX—Third Church of Christ, Scientist, 12-1:30; Astro-Analyst, 12:30; I.B.S.A., 1.

KMTR—Records, 12; Happiness Ambassador, 12:45; Synopators, 1:30.

KTM—Records, 1.

2 to 4 p.m.

KECA—Twilight hour (C.) 2:30; opera records, 3.

KFWB—Lou Traveller's Orch., 3.

KFI—Poetry, 2; auto races (C.) 2:30.

KHJ—Roy Mace, soloist, 2; Lavender and Old Lace (C.) 2:15; Brooks and Ross (C.) 2:30; Hook, Line, Sinker (C.) 2:45; Chicago Knights (C.) 3; Prof. Lindsay (C.) 3:30.

KMPC—Records, 2:30; Church of Latter Day Saints, 3:30.

KMTR—Records, 2.

KNX—Park Board program, orchestra and soloists, 2-4.

KTM—Organ and soloist, 2.

4 to 6 p.m.

KECA—Frank Kucelund, baritone, 5:30; Manly Hall, 5:45.

KFI—Willys Overland Special (C.) 4; Jolly Revue (C.) 4:15; Three Bakers (C.) 4:30; Anna Jettick melodies (C.) 5; Collier's Hour (C.) 5:15.

KFWB—Records.

KHJ—Dr. Julius Klein (C.) 4; Swiss Yeagers (C.) 4:15; Rabbi Maguin, 4:30; Devils, Drums and Doctors (C.) 5; vesper hour, 5:15.

KMTR—Records, 4.

KNX—Advanced Thought, 4; symphony records, 4:15; entertainers, 4:30; Chris-

tian Business Men, 4:45; Dr. John Matthews, Radio Church of the Air, 5.

KTM—Zandra, 4; Martin Thomas, 4:30.

6 to 7 p.m.

KECA—Alabama Boys, 6; violin and song duo, 6:30.

KFI—American Album of Music (C.) 6:15; N.B.C. Special (C.) 6:45.

KFWB—Organ, 6; "Step On It," 6:30.

KHJ—C.B.S. Musicale (C.) 6; Count Von Luckner (C.) 6:30.

KMTR—Twilight Melodist, 6; Ethiopian Night Club, 6:30.

KNX—Dr. Aked, 6; Theodore C. Abel, 6:30.

7 to 8 p.m.

KECA—Raising Junior (C.) 7; string trio, 7:15; Seth Parker's Neighbors (C.) 7:45.

KFI—Barbasol Special (C.) 7:15; concert special, 7:45.

KFWB—Burr McIntosh, 7; Strings and Bows, 7:30; Arnheim's Orch., 7:45.

KHJ—Texaco Symphony, 7; Falge's Orch., 7:30; Ernest Hutchinson, pianist (C.) 7:45.

KMTR—Fishing news, 7; Salon Group, 7:30.

KNX—Arizona Wranglers, 7; Bobrick Girls, 7:45.

8 to 9 p.m.

KECA—Male quartet, 8:15; concert, 8:30.

KFI—Contented hour (C.) 8:30.

KFWB—Sunday Night Hi-Jinks, 8.

KHJ—Edison String Symphony, 8; California Melodies, 8:30.

KMTR—Organ and soloist, 8; varieties, 8:30.

KNX—Frost report, 8; First Presbyterian Church, 8:05.

KTM—Concert, 8; string sextet, 8.

9 to 10 p.m.

KECA—Abas String Quartet (C.) 9; Felipe Delgado, songs, 9:30.

KFI—Chase and Sanborn (C.) 9; string trio, 9:30.

KFWB—Italian Idylls, 9; Warner's stage show, 9:30.

KHJ—Chevrolet Chronicles, 9; Harmony High Lights, 9:30 "King for a Day," 9:45.

KMPC—Plantation Crooners, 9; Happy Chappies, 9:55.

KMTR—Fine and Dandy Revue, 9.

KNX—A Night in Paris, 9; mother songs, 9:15; Calmon Luboviski, violinist, 9:30.

KTM—Beverly Hill Billies, 9.

After 10 p.m.

KECA—Felipe Delgado, 10; Billy Ross, violinist, 10:30.

KFI—News, 10; organ (C.) 10:15.

KFWB—Traveller's Orch., 10.

KHJ—Success Interview, 10:10; Musical Cameo, 10:15; world-wide news, 10:30; Success, 10:40; KFRC Master Concert, 10:45; Midnite Moods, 11.

KMPC—Hill Billies, 10; records, 11.

KMTR—Mystery, 10; organ, 10:15; Music Box, 11.

KNX—Luboviski recital, 10.

KTM—Bob and Jimmy, 10:30; Ballyhoo, 11; records.