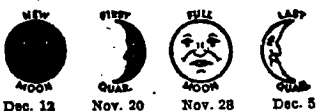


# Sun, Moon and Tide

By U.S. Coast and Geodetic Survey



THURSDAY, NOV. 20

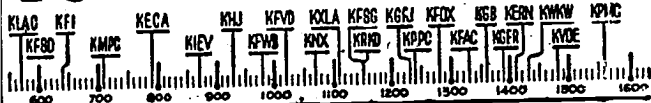
Sun Rises 6:29 a.m., sets 4:47 p.m.  
Moon rises 12:52 p.m., sets 11:39 p.m.

## TIDES, LOS ANGELES HARBOR

Nov.	High	Low	High	Low
20	5:08 3.8	9:57 3.3	2:16 3.8	9:58 0.7
21	5:22 4.2	11:02 2.8	2:48 3.8	10:40 0.8
22	5:41 4.5	11:43 2.2	4:54 3.8	11:15 0.8
23	6:00 4.9	12:19 1.6	7:53 3.9	11:47 1.0
24	6:19 5.3	12:52 0.9	8:41 4.0	
Nov.	Low	High	Low	High
25	12:20 1.2	6:42 5.7	1:28 0.2	7:28 4.0
26	12:50 1.4	7:10 6.1	2:08 0.4	8:15 4.0

Tides are given in order of occurrence, first column denoting time and second column height in feet above or below mean lower low water. Light face type denotes a.m., black face p.m. Times listed are Pacific Standard Time.

# YOUR Radio TODAY



Time	Station	Program	
7 A.M.	KFI-News.		
	KFAC-Stu. Wilson.		
	KHJ-F. Hemingway.		
	KECA-News.		
	KMPC-Unity.		
	KLAC-KHJ-News.		
	KLAC-Brood'n Brady.		
	KFWB-Maytime.		
	7:15 A.M.	KFI-F. Lawton.	
	KHJ-Rise. Shine.		
KLAC-Haynes. Reina			
KMPC-Star Time.			
KECA-Music.			
KNX-News.			
7:30 A.M.	KFI-Platter Party.		
KHJ-News.			
KNX-Bob Garred.			
KMPC-F. Lawton.			
KECA-James Abbe.			
7:45 A.M.	KFI-Sam Hayes.		
KMPC-Music.			
KHJ-News.			
KFWB-Woman Pg.			
KNX-Fred Beck.			
KECA-Z. Manners.			
8 A.M.	KFI-Fred Waring.		
	KHJ-News.		
	KMPC-News.		
	KNX-John'y Murray		
	KFAC-Church.		
	KFWB-Morning Mel.		
	KLAC-News.		
	KECA-Bkfst. Club.		
	8:15 A.M.	KMPC-Mktg. Sports.	
	KHJ-News.		
KLAC-Music.			
KNX-News.			
8:30 A.M.	KFI-Jack Berch.		
KFAC-News.			
KFWB-News.			
KNX-Grand Slam.			
KHJ-Editor Diary.			
KMPC-Song. You.			
8:45 A.M.	KFI-Lora Lawton.		
KMPC-Music.			
KNX-Rosemary.			
KFWB-Science.			
KFAC-Music.			
KHJ-Commentary.			
9 A.M.	KFI-News.		
	KHJ-Kate Smith.		
	KMPC-CLAC-News.		
	KECA-Travelers.		
	KFWB-Strolling Tom		
	KFAC-Unity.		
	KNX-W. Warren.		
	9:15 A.M.	KFI-Ladies Day.	
	KMPC-Bill Leyden.		
	KFWB-Music.		
KFAC-Health.			
KLAC-Racing News.			
KHJ-V. H. Lindlahr.			
KNX-Aunt Jenny.			
9:30 A.M.	KFAC-Concert.		
KNX-Helen Trent.			
KHJ-Johnson Fam.			
KLAC-Picture Al.			
KFWB-Woman's Pg.			
KECA-Bkfst. Hollyd.			
9:45 A.M.	KFI-Chuck Collins.		
KHJ-Music.			
KFWB-Music.			
KNX-Gal Sunday.			
10 A.M.	KFI-School Brdcast.		
	KLAC-Al Jarvis.		
	KHJ-G. Hardy. News		
	KMPC-KHJ-News.		
	KECA-Galen Drake.		
	KFWB-M. Hart.		
	KNX-Bix Sister.		
	10:15 A.M.	KMPC-Bill Leyden.	
	KFAC-Classical Mus.		
	KNX-Mn Perkins.		
KECA-Ted Malone.			
KHJ-Griffin. Gwinn			
10:30 A.M.	KFI-News.		
KHJ-B. Alexander.			
KNX-Dr. Malone.			
KECA-News.			
KECA-My True Story			
10:45 A.M.	KFI-Joyce Jordan.		
KNX-Quidling Light.			
KFAC-Medica Assn.			
11 A.M.	KFI-Today's Child.		
	KLAC-Al Jarvis.		
	KHJ-Two-Ton Baker		
	KNX-Mrs. Burton.		
	KMPC-Music.		
	KFWB-M. Hart.		
	KFAC-Festival.		
	KECA-Max. of Air.		
	11:15 A.M.	KFI-Woman in White	
	KNX-Perry Mason.		
KHJ-E. Johnson.			
KECA-Baukhage.			
11:30 A.M.	KFI-Holly Sioane.		
KNX-Val Delmar.			
KHJ-Queen for Day.			
KECA-D. Kilgallen.			
11:45 A.M.	KFI-Life of World.		
KFAC-Concert Grand			
KECA-Between Girls.			
KNX-Rose o' Dreams			
12 Noon	KFI-Farm Reporter.		
	KLAC-Al Jarvis.		
	KHJ-KECA-News.		
	KFWB-M. Hart.		
	KMPC-Man Says		
	Yes.		
	KNX-Double. Noth's.		
	KFAC-Concert.		
	12:15 P.M.	KFI-Me Perkins.	
	KECA-Kiernan News		
KHJ-Sing Amer.			
12:30 P.M.	KFI-Pepper Young.		
KMPC-News.			
KECA-Whiteman Cfb			
KHJ-Louise Massey.			
KNX-K. Manning.			
12:45 P.M.	KFI-Happiness.		
KMPC-B. Hay.			
KHJ-Shady Valley.			
KNX-Ocean Music.			
KFAC-News.			
1 P.M.	KFI-Backstage Wife.		
	KLAC-News. Sports.		
	KMPC-Financial.		
	KHJ-Music.		
	KFAC-Piano.		
	KFWB-Bill Anson.		
	KNX-School of Air.		
	1:15 P.M.	KFI-Stella Dallas.	
	KHJ-Nancy Dixon.		
	KFAC-Music Amer.		
KMPC-Hal Berger.			
KLAC-780 Club.			
1:30 P.M.	KFI-Lorenzo Jones.		
KHJ-Norma Young.			
KNX-B. Wheeler.			
KECA-Miracles Mus.			
1:45 P.M.	KFI-Wilder Brown.		
KECA-Ethel. Albert.			
2 P.M.	KFI-Girl Marries.		
	KLAC-News. Sports.		
	KNX-Winner Take.		
	KMPC-Three Alarm.		
	KFAC-Concert.		
	KFWB-Bill Anson.		
	KHJ-Heart's Desire.		
	KECA-What's Doing?		
	2:15 P.M.	KFI-Ferr'a.	
	KLAC-570 Club.		
2:30 P.M.	KFI-Frals Bill.		
KHJ-Martin Block.			
KMPC-Hal Berger.			
KECA-Bilde. Groom.			
KNX-House Party.			
2:45 P.M.	KFI-Fr. Far. Farrell.		
3 P.M.	KFI-Road of Life.		
	KFWB-Bill Anson.		
	KFAC-Favorites.		
	KLAC-News. Sports.		
	KHJ-Melody Mat.		
	KNX-Meet Missus.		
	KECA-Be Seated.		
	3:15 P.M.	KFI-Beautiful Life.	
	KLAC-T. Dorsey.		
	3:30 P.M.	KFI-Aunt Mary.	
KHJ-Stranger.			
KNX-A. Godfrey.			
KMPC-G. Norman.			
KECA-Records.			
3:45 P.M.	KFI-Tr. Paul.		
4 P.M.	KECA-Fran. Scully.		
	KHJ-Quaker City		
	Mus.		
	4 P.M.	KFI-Woman's Secret.	
	KLAC-KMPC-News.		
	KNX-Eve Winters.		
	KHJ-F. Lewis Jr.		
	KFWB-J. Lawrence.		
	KFAC-Masterpieces.		
	4:15 P.M.	KFI-News.	
KFWB-Music.			
KMPC-Twilight Tales			
KLAC-Sports.			
KNX-Radio Views.			
KECA-Al Wilder.			
KHJ-Hemingway.			
4:30 P.M.	KFI-Notebook.		
KHJ-Adven. Parade.			
KMPC-Music.			
KECA-Variety Par.			
KLAC-Racing Rdpd.			
KNX-News.			
4:45 P.M.	KHJ-Sleepy Joe.		
KNX-Lum & Abner.			
KFWB-S. Hamblen.			
KMPC-Revue.			
KLAC-Frollic.			
5 P.M.	KFI-Feature Wire.		
KECA-Dick Tracy.			
KFAC-Music.			
KNX-News.			
KLAC-Fred Henry.			
KMPC-News.			
KHJ-News.			
5:15 P.M.	KFI-News.		
KMPC-Teen. Twenty.			
KNX-Sports.			
KHJ-Superman.			
KECA-Terry. Pirates.			
KLAC-Music.			
KFAC-Music.			
5:30 P.M.	KFI-Orch.		
KNX-Collinwood.			
KHJ-Capt. Midnight.			
KECA-J. Armstrong.			
KFAC-Whop Bill.			
KLAC-Ballroom.			
5:45 P.M.	KFI-Peterson. News.		
KMPC-Top Tunes.			
KNX-News.			
KFWB-S. Hamblen.			
KHJ-"Tom Mix."			
5:55 P.M.	KNX-Bill Henry.		
6 P.M.	KFI-Al Joison.		
	KLAC-News.		
	KNX-Dick Haymes.		
	KECA-Headline Edit.		
	KMPC-C. Roberts.		
	KFAC-Eve. Prelude.		
	KFWB-News.		
	KHJ-G. Heater.		
	6:15 P.M.	KMPC-Sports.	
	KHJ-J. Desmond.		
KECA-Local News.			
KLAC-Ballroom.			
KFWB-T. Husung.			
6:30 P.M.	KFI-Carson & Arden		
KMPC-Bay Meadows			
KLAC-Sportsbook.			
KNX-Crime Photos.			
KFWB-Amer. Dances.			
KHJ-Zane Grey.			
KECA-Darts. Dough.			
KFAC-Music.			
6:45 P.M.	KLAC-Financial.		
7 P.M.	KFI-Bob Hawk.		
	KHJ-Family Theater.		
	KECA-Royal Wed-		
	ding.		
	KLAC-Phone Quiz.		
	KMPC-Favorites.		
	KNX-Readers Digest.		
	7:15 P.M.	KFI-News.	
	7:30 P.M.	KFI-Eddie Cantor.	
	KMPC-Melody Hour.		
KHJ-Red Ryder.			
KECA-The Clock.			
KLAC-Don Otis.			
KNX-Congressional			
Session.			
KFAC-Echoes. Encls.			
KFWB-Xmas Win-			
dow.			
7:45 P.M.	KFWB-Pioneer Town		
8 P.M.	KNX-Lowell Thomas.		
	HJ-Royal Wedding.		
	FAC-Concert.		
	FWB-Sports Final.		
	ECA-Willie Pifer.		
	MPC-CLAC-News.		
	8:15 P.M.	KFI-News.	
	KNX-Jack Smith.		
	FWB-Music.		
	LAC-Records.		
MPC-Red Rowe.			
8:30 P.M.	KFI-Aldrich Family.		
MPC-Ted Lewis.			
KLAC-Candid Mike.			
KNX-Mr. Keen.			
HJ-Scarlet Qn.			
8:45 P.M.	FWB-Ann & Mack.		
LAC-Sports.			
9 P.M.	KFI-Burns & Allen.		
LAC-News.			
KECA-Mr. President.			
FWB-News.			
MPC-News.			
HJ-Hardy. News.			
FAC-Concert.			
KNX-Suspense.			
9:15 P.M.	LAC-Records.		
FWB-Unit. Nations.			
MPC-Leahy of N.D.			
HJ-Mystery.			
9:30 P.M.	KFI-Webster Says.		
MPC-Quartet.			
HJ-Sports.			
KECA-News.			
FWB-Music Box.			
KNX-Club 15.			
9:45 P.M.	KECA-Quintet.		
KHJ-Newscope.			
KNX-E. R. Murrow.			
MPC-G.I. Doc.			
10 P.M.	KFI-Reporter.		
MPC-News.			
KLAC-News.			
KLAC-Dance Time.			
KECA-Sports Page.			
KNX-10 P.M. Wire.			
KHJ-F. Lewis Jr.			
KFWB-G. Norman.			
10:15 P.M.	KFI-Mayor Bowron.		
KHJ-Songs. Downey.			
KLAC-Melody Par.			
MPC-Bridge Club.			
KECA-News.			
KNX-Bob Eason.			
10:30 P.M.	KFI-Inside News.		
KECA-Elmer Davis.			
KMPC-Rancho Grde.			
KNX-D'Way to Life.			
KHJ-Peter Potter.			
10:45 P.M.	KFI-Melody Time.		
KFAC-Serenade.			
KECA-Orch.			
11 P.M.	KFI-News.		
KECA-News.			
KFWB-G. Norman.			
KFAC-Dance Time.			
KHJ-B. Arlington.			
KMPC-Dance Parade.			
KLAC-News.			
KNX-News.			
11:15 P.M.	KFI-Royal Wedding.		
KECA-Orch.			
KNX-Save Allen.			
KLAC-Don Otis.			
11:30 P.M.	KECA-Music.		
11:45 P.M.	KFI-News.		
KNX-Russian Disc'n			
KHJ-News.			
KECA-Orch. News.			
12 Midnight	KMPC-News.		
KLAC-News. Music.			
KFWB-Revelry.			
KHJ-Rhapsody.			
KNX-Merry-Go-Rd.			
KLAC-Irwin Allen.			
Television	W6XAO-		
10:30 a.m.-Test Pat.			
11 a.m.-Film			
11:30 a.m.-Test Pat.			
KTLA-			
3 p.m.-News. Music.			
7 p.m.-Uncle Phil.			
8 p.m.-Your Town.			

[The information contained in this program is furnished by the station and the program listed may be made without notice.]