

Complete Radio Programs and Highlights for Today

CHICAGO FREQUENCIES

W-G-N-720 WAAF-1050 WGES-1300
 WIND-590 WMAQ-1000 WHPF-1450
 WMAQ-590 WMBI-1110 FM-
 WMAQ-870 WJJD-1100 W-45.9
 WBBM-790 WCRW-1200 WDBM-40.7
 WAF-820 WNBC-1240 WDLW-47.5
 WENR-800 WCRW-1240 WJZZ-45.1
 WLS-890 WMRD-1280 WBEZ-42.5

MORNING

[M] Indicates MBS, [N] NBC, [C] CBS, and [B] Blue network.

8:30-W-G-N-The Farm hour.
 WMAQ-News: 1st Early Bird.
 WBBM-Treasury Salute.
 WLS-Small-White Show.
 WJJD-The Breakfast Frolic.

8:45-W-G-N-News bulletins.
 WBBM-Farm and Factory hour.
 W-G-N-Breakfast Time Frolics.
 WBBM-Paul Gibson program.
 WMAQ-WIND-News reports.
 WCFL-Come On, Get Up!
 WLS-Farm news program.
 WSCB-Don't Be Late.

9:15-WMAQ-Town and Farm program.
 WLS-Morning Devotions.
 WIND-Yawn Patrol.

9:25-W-G-N-News bulletins.
 9:30-W-G-N-Breakfast Time Frolics.
 WLS-Mac and Bob.
 WIND-Back to the Bible.
 WAAF-Farm Folks' hour.

9:45-WLS-Ervin Lewis, news.
 WMAQ-Morning Jubilee: news.
 9:55-WBBM-First Edition.
 W-G-N-Record Reel.

10:00-WBBM-News of the World [C].
 WCFL-Daily War Journal [B].
 WMAQ-The Suburban hour.
 WLS-Alexander, news reports.
 WJJD-Prele's Tabernacle.
 WIND-Hour of News.
 WGES-Z. George Jaworowski.

10:15-W-G-N-News bulletins.
 WBBM-News reports.
 WCFL-Halloween Martin.
 WLS-Prairie Ramblers.

10:20-W-G-N-Record Reel to 9 a. m.
 10:30-WBBM-The Whaling Well.
 WCFL-Chuck Acro program.
 WJJD-News reports.

10:45-WBBM-Musical Clock.
 WCFL-Moulton Kelsey, news.
 WJJD-Morning Serenade.
 WLS-Dr. Preston Bradley.

10:55-WMAQ-Clifton Utley, news.
 W-G-N-Your Morning news.
 WCFL-The Breakfast club [B].
 WMAQ-Your Neighbor program.
 WBBM-Robert Hurligh, news.
 WLS-Red Foley, Range Riders.
 WJJD-Showboat to 9 a. m.
 WLL-Musical Masterworks.
 WAAF-The Breakfast Bandstand.
 WIND-News: American Legion.

11:15-W-G-N-Two Ton Baker, singer.
 WMAQ-News and music.
 WBBM-Musical Clock.
 WIND-Coffee Time.
 WLS-Ervin Lewis, news.

11:30-W-G-N-Victor H. Lindlaur, talk.
 WLS-The Breakfast club [B].
 WMAQ-News: Clifton Utley.
 WBBM-Paul Gibson program.
 WIND-News: Rhythm Express.
 WAF-Helen and Home hour.

11:45-W-G-N-The Whaling Well.
 WMAQ-Songs in Fashion.
 WBBM-John Harrington, news.
 WGES-Lithuanian Housewives.
 WIND-Current news.
 W-G-N-News bulletins.
 WMAQ-Lora Lawton, serial [N].
 WBBM-Valliant Lady, serial [C].
 WLS-Sweet River, serial [B].
 WJJD-Haven of Rest.
 WCFL-Whoo! the Fortune.
 WIND-News Start Day Right.
 WMBI-Bread of Life.
 WAAF-News reports.

11:55-W-G-N-Sports of Music.
 WMAQ-Robert St. John, comment.
 WBBM-Light of the World [C].
 WLS-My True Story [B].
 WAF-Hugh Douglas, comment.

12:00-W-G-N-Morning Musicals: news.
 WMAQ-Helpmate, serial [N].
 WBBM-Open Door, serial [C].
 WGES-Swedish program.
 WCFL-Late Back club.
 WJJD-Treasury Star Parade.
 WIND-News: music.

12:40-WLS-Ervin Lewis, news.
 12:45-W-G-N-June Baker program.
 WMAQ-Star Playhouse [N].
 WBBM-Bachelor's Children [C].
 WIND-Strictly Instrumental.
 WLS-The Listening Post [B].
 WCFL-Frankie Masters entertainers.
 W-G-N-Get Acquainted, Neighbor.
 WMAQ-Road of Life, serial [N].
 WBBM-Amanda, serial [C].
 WLS-Breakfast at Sardi's [B].
 WCFL-News: Guest Spotlight.
 WGES-Italian Community hour.
 WSCB-Polish Morning Revue.
 WJJD-WIND-News reports.

12:15-W-G-N-The Musical Milkwagon.
 WBBM-Second Husband [C].
 WMAQ-Vic and Sade, serial [N].
 WCFL-Don Artiste, pianist.
 WJJD-Croonfest.
 WIND-Dance and Romance.

12:30-WBBM-Bright Horizon [C].
 WMAQ-The Brave Tomorrow [N].
 WCFL-Serenade program.
 WJJD-War Clinic of the Air.
 WLS-Walter Kenton, news [B].
 WMBI-WDM-Shut-in program.
 WIND-News: Tempting Tempos.

12:45-W-G-N-What's Your Idea? [M].
 WMAQ-David Harum, serial [N].
 WBBM-Aunt Jenny's stories [C].
 WCFL-The Baby Institute [B].
 WJJD-George Carol, songs.
 WLS-Ervin Lewis, news.
 WIND-Record Session.

12:55-W-G-N-Screen Test Preview [M].
 W-G-N-Boake Carter, news [M].
 WBBM-Kate Smlak Speaks [C].
 WMAQ-Editor's Daughter, serial.
 WLS-Martin and Helen program.
 WJJD-WCFL-News reports.
 WLL-Public Affairs.
 WGES-Polish Reporter.
 WIND-News: music.

1:15-W-G-N-Broadcast Rhymesters.
 WBBM-Big Sister, serial [C].
 WMAQ-Linda's First Love.
 WCFL-Meet Your Neighbor [B].
 WAAF-Cheers for the Camps.
 WAIT-Woman's Corner.
 WJJD-Music Goes 'Round.

1:30-W-G-N-John Elbrook, news.
 WBBM-When Trent, serial [C].
 WMAQ-News reports.
 WCFL-Make Believe Danceland.
 WIND-News: Club Encore.
 WLS-Live stock, poultry markets.
 WJJD-Len Cleary, organist.

1:45-W-G-N-Boyce Smith, singer, pianist.
 WBBM-Our Gal Sunday [C].
 WMAQ-Revellie Roundup.
 WLS-Farm news and markets.
 WJJD-Voice of Experience.

AFTERNOON

1:45-W-G-N-Ray Dady, news [M].
 WBBM-Life Can Be Beautiful [C].
 WCFL-Baukhage Talking [B].
 WMAQ-Elizabeth Hart Presents.
 WLS-Dinner Bell program.
 WIND-News: music.
 WAAF-Symphonic hour to 1 p. m.
 WJJD-News reports.
 WGES-Polish Dinnerbell.
 WZZR-Victory Promenade.

2:15-W-G-N-Jack Bereh and Boys [M].
 WBBM-Ma Perkins, serial [C].
 WMAQ-Tunes and Tips.
 WCFL-Life Fashion Stories.
 WIND-Swing Session.
 WJJD-Swing Time.

2:30-W-G-N-Luncheon with Lopez [M].
 WBBM-Bernadine Flynn, news [C].
 WMAQ-Hub Jackson, news.
 WCFL-Fate Smith, singer.
 WJJD-Loop noonday service.
 WIND-News: music.
 WLS-Julian Bentley, news.
 WZZR-Luncheon Varieties.

2:45-W-G-N-Butch Davis, markets.
 WCFL-Morgan Beatty, news [N].
 WBBM-The Goldbergs, serial [C].
 WMAQ-Bond Wagon.
 WIND-Music Maestro.
 WLS-Home Haremies: markets.
 W-G-N-Foster, news [M].
 WBBM-Portia Faces Life [C].
 WMAQ-Guiding Light [N].
 WCFL-Kiernan's Corner [B].
 WLS-Doc Hopkins: markets.
 WJJD-War Workers' Morale.
 WIND-WAAF-News.
 WMBI-WDLW-Living Water.
 WZZB-The Salon hour.

3:15-W-G-N-Pan Americana [M].
 WMAQ-Today's Children [N].
 WBBM-Grace Jordan, M. D. [C].
 WIND-Treasury Salute.
 WLS-Household Hints.
 WAAF-Midwest Hit Review.
 WCFL-Club Time.
 WJJD-Band of the Week.

3:30-W-G-N-Melody Lane.
 WBBM-Young Dr. Malone [C].
 WMAQ-Woman in White [N].
 WJJD-News reports.
 WIND-Sentimental Serenade.
 WLS-Julian Bentley, news.
 WCFL-News reports.

3:45-WCFL-Ladies, Be Seated [B].
 3:55-W-G-N-John Holbrook, news.
 WMAQ-Hymns of Churches [N].
 WBBM-Perry Mason, serial [C].
 WLS-Grace Wilson, contralto.
 WIND-Musical Motocade.
 WJJD-Women Voters' League.

4:00-W-G-N-The Center of Canteen.
 WMAQ-Who's America [N].
 WBBM-Mary Martin, serial [C].
 WLS-Morton Downey, songs [B].
 WIND-News: Club 560.
 WSCB-Rug Cutters' Special.
 WCFL-News reports.
 WJJD-1160 Club.
 WZZR-Gypsy Melodies.

4:15-W-G-N-Mrds and Rhythm.
 WMAQ-Ma Perkins, serial [N].
 WLS-Hollywood Star Time [B].
 WCFL-Patria Melody.
 WBBM-Meet the Missus.
 WZZB-Music for War Workers.

4:30-W-G-N-Johnny Betts, songs, patter.
 WMAQ-Pepper Young's Fun. [N].
 WCFL-Appointment with Life [B].
 WBBM-Missus Goes to a Party.
 WMBI-WDLW-Gible School.
 WLS-Of Interest to Women.
 WGES-Hebrew Christian hour.
 WZZB-Dance Maestro.

4:40-WIND-Dugout news.

Listener's Choice

SPECIAL EVENTS

9:45 a. m.-W-G-N-June Baker interviews Mrs. Walter Kelly.
 Noon-WMAQ-Elizabeth Hart presents Lt. Mary Mcerranion.
 5:15 p. m.-WBBM-Dateline: "Road to Rome" with Eric Sevareid, Farborough Kowle.
 9:30-W-G-N. WMAQ. WBBM. WENR. WCFL-5th War Loan Bond show: President Roosevelt, Secretary Morgenthau; also drama, "Invasion" with Walter Huston, Orson Welles, Joseph Cotten, Agnes Moorehead, From Hollywood; Charles Laughton, Paul Muni, Joe E. Brown, Franchot Tone; Leopold Stokowsky conducts orchestra.

VARIETY, COMEDY, AND DRAMA.
 11:15 a. m.-W-G-N-Broadcast Rhythms with Eddie and Fannie Cavanaugh.
 11:30 p. m.-WLS-The Lone Ranger presents "John Wesley Hardin."
 7:00 p. m.-WMAQ-Cavalade of America: "My Fighting Congregation" with Brian Donlevy. Speaker: Brig. Gen. William R. Arnold.
 7:30-W-G-N-Sherlock Holmes presents "The Monster of Gyra."
 8:30-WBBM-Badly Thea t e a t e r : Nelson Kelly, Jeannette MacDonald in "Naughty Marietta."
 8:15-W-G-N-Screen Test. Guest: Kay Lerraine. [Premiere].
 8:30-WMAQ-Information, Please. Guests: Oscar Levant, Adm. Emory S. Land.

MUSIC.
 10:15 a. m.-W-G-N-Musical Milkwagon, with Skip Farrell, Dinning Sisters.
 11:45 p. m.-WCFL-Music Lovers' Matinee: Selections from "My Maryland."
 11:30-WMAQ-Rose Hampton, Metropolitan opera soprano, begins new radio series.
 11:00-WMAQ-Telephone hour, with Robert Casadesu, pianist.
 11:30-WENR-American Home Hour of Music and Song, with Attilio Baggioni presenting love songs.
 11:30-WZZR-Composer's hour: Schubert's "Unfinished" Symphony.
 10:00-WIND-Symphonic hour: Quintet in B Minor by Brahms.

2:45-W-G-N-Afternoon Serenade.
 WMAQ-Right to Happiness [N].
 WBBM-Do You Remember?
 WJJD-Warmp Time.
 WLS-Julian Bentley, news.

2:55-WIND-Sox vs. St. Louis.

3:00-W-G-N-News: Melody Memos.
 WGNB-War Workers' program.
 WMAQ-Backstage Wife [N].
 WBBM-Broadway Matinee [C].
 WENR-Devilish Karney.
 WZZR-News reports.
 WZZR-Latin Moods.
 WJJD-Sports Page.

3:15-W-G-N-The Open House [M].
 WMAQ-Stella Dallas, serial [N].
 WENR-Don Norman show [B].
 WLL-Good Music program.
 WCFL-Lean Back and Listen.

3:25-WBBM-Dan Ryan, singer.
 3:30-W-G-N-Judy and June, serial.
 WIND-Oh Wings of Love.
 WMAQ-Lorenzo Jones, serial [N].
 WCFL-News: Don Artiste, pianist.
 WBBM-News reports.
 WEDC-Bohemian Melodies.
 WAAF-Sports Edition.
 WZZR-Pop Concert.

3:45-W-G-N-Linger Awhile.
 WGNB-Rhythm Matinee.
 WMAQ-Widder Hurligh, serial [N].
 WBBM-Robert Hurligh, news.
 WENR-News reports.
 WCFL-Music Lovers' Matinee.
 WAIT-Jive Briefs.
 WZZR-Music for War Workers.

4:00-W-G-N-News bulletins.
 WMAQ-When Girl Marries [N].
 WBBM-Paul Gibson program.
 WENR-Mystery Chef.

4:05-W-G-N-Musical Moods.
 4:15-W-G-N-These Three.
 WIND-Pop Concert.
 WMAQ-We Love and Learn [N].
 WENR-News reports.
 WLL-Preview of Tomorrow.

4:30-W-G-N-The Music Mart.
 WMAQ-Just Plain Bill, serial [N].
 WBBM-Fred Beck, organist.
 WENR-1954 Skirmishes.
 WZZR-Ivory Pointings.
 WGES-Gold Vienna.

4:35-WBBM-Old Coast Rhythm.
 4:45-WBBM-American Women [C].
 WMAQ-Front Page Farrell [N].
 WCFL-Rendezvous with Romance.
 WENR-Dick Tracy, serial.
 W-G-N-News bulletins.
 WGNB-Waltz Time.
 WENR-Terry and the Pirates [B].
 WMAQ-News reports: music.
 WBBM-Alvin J. Steinkopf, news.
 WJJD-Scoreboard.
 WMBI-WDLW-Komfort Korner.
 WZZR-Concert Reveries.
 WIND-Scoreboard.
 WCFL-News reports.
 WCRW-Treasury Songs.
 WLL-Music of the Masters.

4:15-W-G-N-Safety Legion Time.
 WGNB-Console Concert.
 WBBM-Lyn Murray's orch. [C].
 WMAQ-News: Vanguards for Vict.
 WJJD-Swing It.
 WENR-Malcom Claire, stories.
 WCFL-Don Artiste, pianist.
 WZZR-Orkan Sketches.
 WIND-Club 560.

4:25-WMAQ-Sweet and Spanish.
 4:30-W-G-N-Ton Mix, serial [M].
 WGNB-Rhythm Cocktail.
 WBBM-John Harrington, news.
 WENR-J. Armstrong, serial [B].
 WIND-Frank Parrish, songs.
 WCFL-Let's Dance.
 WJJD-Parade of Stars.
 WAIT-Music Quiz.
 WZZR-High Jinks in Tempo.

4:40-WMAQ-Don Eider, sports.
 4:45-W-G-N-Superman, serial.
 WBBM-The World Today [C].
 WENR-Capt. Midnight, serial [B].
 WMAQ-Hub Jackson, news.
 WCFL-Richard Himber's orchestra.
 WJJD-News reports.
 WIND-Bill Anson program.

4:55-WBBM-Joseph Harsch, news [C].
 W-G-N-Johnny Betts, songs, patter.
 WMBI-Fulton Lewis Jr. [N].
 WMAQ-Jim Blade, music.
 WBBM-News: Sports Reel.
 WJJD-Sports Review.
 WIND-News: Hill Sanders.
 WLS-Julian Bentley, news.
 WCFL-News reports.
 WAIT-Anne Hunter, news.
 WZZR-The Masters' Album.

5:15-W-G-N-Telephone Quiz.
 WGNB-Broadway Echoes.
 WBBM-Dateline [C].
 WMAQ-Robt. St. John, news [N].
 WLS-L. Burlingame: music.
 WIND-The Spice of Life.
 WCFL-Musical Motocade.
 WJJD-Pan Americana.
 WAIT-Hal Totten.
 WCRW-Around the Town.

5:25-WCFL-Baschall scores.
 5:30-W-G-N-John Holbrook, news.
 WBBM-Around Air Forces [M].
 WLS-The Lone Ranger [B].
 WMAQ-Supper Interlude.
 WBBM-Bob Burns show.
 WCFL-Adventures of Jane Arden.
 WIND-News: Sinatra records.
 WJJD-Dinner Serenade.

5:45-W-G-N-The Lion's Roar.
 WMAQ-H. V. Kallenborn [N].
 WIND-Korn Kobbers.
 WCFL-Jack Kelly orchestra.
 W-G-N-Cecil Brown, news [M].
 WGNB-Concert Hall.
 WBBM-Vox Pop show [C].
 WMAQ-Cavalade of America [N].
 WLS-Paul Neilson, news [B].
 WIND-News: Sports Review.
 WGES-Lithuanian Family hour.
 WCFL-News reports.
 WJJD-Hanz Muenzer's orch.
 WEDC-Czech drama.
 WZZR-Dinner Music.

7:15-W-G-N-Return of Nick Carter [M].
 WLS-Lum and Abner, sketch [B].
 WCFL-Bing Crosby, songs.
 WJJD-Ranch House.
 WIND-Musical Program.

7:30-W-G-N-Sherlock Holmes [M].
 WGNB-Reviewing Stand.
 WMAQ-Rose Hampton, sopr. [N].
 WBBM-Gay '00s Review [C].
 WLS-Blind Date [B].
 WIND-Capt. Michael Fielding.
 WZZR-Comradeship in Music.
 WCFL-Dr. Schaefer, commentator.
 WAIT-Concert Miniatures.

7:45-WIND-Time to Remember.
 WCFL-Who Don't?
 WJJD-Homes Folks' Melodies.
 7:55-WBBM-Bill Henry, news [C].

News Broadcasts

MORNING

5:45-W-G-N 8:00-WIND 9:40-WLS
 6:00-WMAQ 8:15-WLS 10:00-WJJD
 6:25-W-G-N 8:15-WMAQ10:00-WCFL
 7:00-WIND 9:00-W-G-N 10:30-WLS
 7:15-W-G-N 9:00-WIND 10:45-WLS
 7:15-WBBM 9:15-WLS 5:15-WMAQ
 8:00-W-G-N 9:30-WIND 11:00-WIND
 8:00-WBBM 9:40-W-G-N 11:30-W-G-N

AFTERNOON

12:00-W-G-N 1:30-WJJD 4:15-WENR
 12:00-WCFL 1:45-W-G-N 5:00-W-G-N
 12:00-WIND 2:00-WIND 5:00-WBBM
 12:30-WMAQ 2:45-WLS 5:15-WMAQ
 12:30-WBBM 3:00-W-G-N 5:30-WBBM
 12:30-WLS 3:00-WCFL 5:45-WMAQ
 12:45-WCFL 3:30-WBBM 5:45-WBBM
 1:00-W-G-N 4:00-W-G-N 5:45-WJJD

EVENING

6:00-WGNB 8:00-W-G-N 10:45-W-G-N
 6:00-WCFL 8:00-WCFL 11:00-W-G-N
 6:00-WLS 9:00-W-G-N 11:00-WENR
 6:00-WBBM 9:00-WGNB 11:00-WBBM
 6:15-WMAQ 9:00-WIND 12:00-W-G-N
 6:30-W-G-N 9:00-WENR 12:00-WIND
 6:45-WMAQ10:00-W-G-N 1:00-WBBM
 7:00-W-G-N 10:00-WCFL 1:00-WIND
 7:00-WIND 10:15-WMAQ
 7:00-WCFL 10:30-W-G-N

8-W-G-N-Gabriel Heatter, news [M].
 WGNB-War Workers' program.
 WMAQ-The Telephone hour [N].
 WBBM-Radio Theater [C].
 WENR-Counter-Spy, drama [B].
 WCFL-News reports.
 WJJD-Suppertime Frolics to 10.
 WDLM-News; Evenson.
 WZZR-Evening Concert Music.
 WIND-News; Amer. Women [C].
 W-G-N-Screen Test [M].
 WCFL-Melody Parade.
 8:20-WIND-Intermezzo.
 8:30-W-G-N-American Home hour [M].
 WGNB-Twilight Casino.
 WMAQ-Information, Please [N].
 WENR-Spotlight bands [B].
 WCFL-Melody Parade.
 WIND-News; Musically Speaking.
 WZZR-Symphony of Song.
 8:45-WCFL-Any Bonds Tonight?
 WIND-War Clinic of the Air.
 8:55-WENR-Story Teller, M. Muller [B].

9-W-G-N-5th War Loan Drive [M].
 WGNB-News; also WIND. WCFL.
 WMAQ-5th War Loan Drive [N].
 WBBM-5th War Loan Drive [C].
 WIND-News, race results.
 WENR-WCFL-5th War Loan Drive [B].
 WZZR-Music for War Workers.

9:15-WCFL-Serenade.
 WIND-Little Bit of Latin.
 9:30-WCFL-The Lone Ranger [B].
 WZZR-Composers' hour.
 WGES-Italian hour.
 WIND-5th War Loan Drive.

10-W-G-N-Fulton Lewis Jr., news.
 WMAQ-Music Shop [N].
 WBBM-I Love a Mystery [C].
 WENR-News; also pianist.
 WENR-Symphonette, M. Piastro.
 WIND-News reports.

10:05-WIND-Symphonic hour.
 10:15-W-G-N-Chicago at Night.
 WMAQ-Kelce Kirby, news.
 WBBM-So the Story Goes.
 WCFL-Don Artiste, pianist.

10:30-W-G-N-News bulletins.
 WBBM-Eugene Reed, news.
 WMAQ-Playtime, music.
 WCFL-Music Lovers' program.
 WGES-All Slavic hour.
 WENR-But Not Forgotten.
 WZZR-Rhythms on Parade.

10:45-W-G-N-World's Front Page.
 WMAQ-Serenade program.
 WBBM-Serenade and Swing.
 WENR-News: Rhythm at Random.
 W-G-N-News bulletins.
 WMAQ-Don Eider, news.
 WBBM, WENR, WIND-News.
 WZZR-Music for War Workers.

11:05-W-G-N-Chuck Foster's orch. [M].
 WBBM-Music by Warrington [C].
 WIND-Music for Everybody.

11:15-WMAQ-A Little Night Music.
 WENR-Musical Interlude.

11:30-W-G-N-Lew Diamond's orch. [M].
 WBBM-A. Goldsworthy's orch. [C].
 WMAQ-Stories of Escape.
 WCFL-Hanz Muenzer's orchestra.
 WENR-Radio Oliver's orchestra.
 WIND-News; Dance orchestra [C].

11:55-WENR-News reports.
 W-G-N-News: E. Cramer's orch.
 WMAQ-News: Meditations.
 WBBM-Iress News [C].
 WIND-News: The Night Watch.
 WENR-Midnight Musical.

12:05-WBBM-Ray Benson's orchestra.
 12:15-WMAQ-Design for Dancing [N].
 12:30-W-G-N-Dance orchestra [M].
 WBBM-Dance orchestra [C].
 WENR-Let's Dance, news.
 12:45-WMAQ-Paul Page, tenor [N].
 12:55-WENR, WMAQ-News.
 1:00-W-G-N-Melody Time.
 WENR-Say It with Music [B].
 WBBM-News and Rhythm.
 WIND-News; also at 2, 3, 4, 5.
 WMAQ-Dance orchestra [N].

ON SHORT WAVES

LONDON.
 NBC news reports are currently broadcast from London on the following schedule. The frequencies (wave lengths) are given in megacycles: 5 and 6 a. m.-11.68 meg.; 8, 10, and 11 a. m.-15.31; 4 p. m.-11.88; 4:45 p. m.-11.93 and 9.58; 4:59 p. m.-11.68; 5:45 p. m.-11.03 and 11.67; 8 p. m.-9.58, 6.11, and 7.26; 9 p. m.-9.69 and 6.01; 9:45 p. m.-9.58, 6.11, 7.26, and 6.51; 11:30 p. m.-9.58, 6.11, and 7.26.