

(Programs listed in The Wisconsin State Journal are checked to the last possible moment. Changes may be made, however, at the discretion of stations and networks.)

What's on the Air

WIBA TONIGHT	
6:00 NBC Supper Club	9:00 NBC Kay Kyster College
6:15 NBC News of the World	10:00 Night News Edition
6:30 Dinner Melody	10:15 NBC Harkness of Washington
6:45 NBC H. V. Kattenborn	10:30 Choral Program
7:00 NBC Mr. and Mrs. North	11:00 Danny Ryan Serenades
7:30 NBC Cartoon of Cheers	11:05 WGN WMAQ
8:00 NBC Eddie Cantor Show	11:30 NBC Design for Listening
8:30 NBC Mr. District Attorney	11:55 NBC News Reports

OTHER STATIONS TONIGHT	
6:00 Jack Kirkwood Show—WCCO	8:30 Cisco Kid—WGN WBW
6:00 Dr. Preston Bradley—WGN	8:30 Which Is Which—WBBM
6:00 Supper Club—WTMJ	8:35 Storyteller—WENR
6:00 Fulton Lewis, Jr.—WIBU	9:00 OWI Drama—WENR
6:00 Jim Wade—WMAQ	9:00 Summer Welles—WIBU WGN
6:05 Dinning Sisters—WBBM	9:00 Great Moments in Music—WBBM
6:15 The Farm's the Thing—WLS	9:00 Kay Kyster—WTMJ WMAQ
6:15 John W. Vandenberg—WMAQ	9:15 Paul Schubert—WIBU
6:15 Times and Opportunities—WIBU	9:30 Let Yourself Go—WCCO WBBM
6:15 Music That Satisfies—WBBM	9:30 Northers—WGN
6:30 Supper Interlude—WMAQ	9:30 Scrambled Amb—WENR
6:30 Easy Aces—WBBM KMOX	10:00 Jack Kirkwood Show—WBBM
6:30 Lone Ranger—WLS	10:00 Answer Man—WGN
6:45 Bing Sings—WIBU	10:00 Supper Club—WMAQ
6:45 H. V. Kattenborn—WMAQ	10:15 So the Story Goes—WBBM
6:45 Jack Carson—WBBM WCCO	10:30 Just for Fun—WMAQ
6:45 Mr. & Mrs. North—WMAQ WTMJ	10:45 Fulton Lewis, Jr.—WGN
6:45 Fred Malone—WLS	10:50 Rumpus Room—WTMJ
6:45 Old Times' Jamboree—WIBU	11:05 Petrillo and Janette
7:15 Lum and Abner—WLS	11:15 Art Kassel Orch.—WGN
7:30 Victory Jamboree—WIBU	11:15 Lew Diamond Orch.—WBBM
7:30 Dr. Christian—WBBM WCCO	11:30 Carmen Cavallaro Orch.—WGN
7:30 My Best Girl—WLS	11:30 Emil Vandas Orch.—WENR
7:30 Human Adventure—WGN	11:30 Words at War—WMAQ
7:30 Cartoon of Cheers—WMAQ	11:30 Tommy Tucker Orch.—WBBM
8:00 Eddie Cantor—WMAQ	11:45 Les Crosey Orch.—WBBM
8:00 Keep Up With the World—WENR	12:00 Musical Nightcap—WMAQ
8:00 Gabriel Heatter—WGN WBW	12:00 Nite Watch to 6—WIND
8:00 Frank Sinatra—WBBM	12:05 Mel Cooper Orch.—WBBM
8:15 Real Life Stories—WGN	12:15 Treasure Salute—WBBM
8:15 Book of Melody—WIBU	12:15 Chuck Foster Orch.—WGN
8:25 Marine Story of the Week—WIBU	12:15 That's for Me—WENR
8:30 Human Adventure—WGN	1:00 Musical Nightcap—WBBM
8:30 Mr. District Attorney—WMAQ	1:00 News and Music—WBBM

WHA THURSDAY	
7:30 Band Wagon	10:45 Piano Melodies—Dorothy Sayre
7:45 Morning News	11:00 Introduction to Literature, Prof. Ricardo Quintana
7:50 WMAQ Program Review	11:30 Noon Music
8:00 Hair You Wonder—Marian Anderson Song Recital	12:20 Noon News
8:30 Morning Melodies	12:30 Farm Program: Farm Bureau Program, James C. Green; Soil Conservation Pays Dividends, M. F. Schweers, O. K. Zeanah
9:00 Broadcast on Broadcasts—"News-News" name—Better Listening, Mrs. A. W. Hammond of Beaver Dam	1:00 Chapter a Day—"Freedom Road" by Howard Fast
9:15 News and Views	1:30 Fit For Service—"White Horses on a Red Hill"
9:30 Music Enjoyment—"Toys in Music"	2:00 Latin America, Prof. E. A. Neale Silva
9:50 Piano Interlude	2:30 Music of the Masters
9:57 Weather Report	3:30 Freedom Forum
10:00 Homemakers' Program: Building a Plan, Helen McFarlane, Clifford Nelson; The Homemakers' Magazine Rack; I Hate Budgets, Mrs. E. B. Cohen	4:00 Waltz Time
	4:15 Treasure Salute
	4:30 Adventure Stories—"Kim"—Rudyard Kipling
	4:45 Afternoon News
	5:00 Masterworks of Music

DAILY CROSSWORD

ACROSS	5. Marsh	25. Knock
1. Smudge	6. Employs	27. Virginia
5. Sponges	7. Belonging	(abbr.)
8. Scandalized	8. Song to	30. River
10. Variety of	9. Young	(Swiss)
willow	10. Woman	34. Roman
12. Thick fruit	11. Rests	36. Cocaine
liquid	15. Sow (Scott.)	(slang)
13. Kind (art)	18. Giggled	37. Unadulterated
14. Daubs	20. Detests	39. Disease
15. Percolate	21. Coalition	41. Part of
17. Fifth sign	22. Obscure	43. Those in
of zodiac	24. Land-	office
19. Negative	measure	
reply	40. Asiant	

YESTERDAY'S ANSWERS

1. Edge
2. Learning
3. Ordinary
4. To portray

CRYPTOQUOTE—A cryptogram quotation
JBYP XUQ BUQSKJMVTWQSA P L
PMV OXV UPG CUGFVQDQZ—ZWRP K
Yesterday's Cryptoquote: IT MATTERS NOT HOW LONG YOU HAVE LIVED BUT HOW WELL—SENECA.

fully aged

to peak of flavor perfection

Pour yourself a bottle of zesty, tasty Fox De Luxe! You'll agree that this expertly brewed, fully aged, all-grain beer is right down your thirst alley!

Peter Fox Brw. Co., Chicago

FOX DE LUXE

THE BEER OF BALANCED FLAVOR

Buy U. S. War Bonds and Stamps Buy U. S. War Bonds and Stamps

Tonight's Aces

MUSIC
8:30 p. m.—Spotlight Bands (WENR): Lawrence Welk.
9 p. m.—Great Moments in Music (WBBM): excerpts from Gershwin's "Porgy and Bess."
9:30 p. m.—The Northers (WGN): "I'll Take You Home Again, Kathleen," "You Tell Me Your Dream," "Girl of My Dreams," "Can't Help Singing."
11:05 p. m.—Petrillo and Janette (WBBM): "I Should Care," "After Avhille," "I'll Remember Suzanne," "A Little on the Lonely Side."

Quiz
8:30 p. m.—Which Is Which (WBBM): contestants try to determine whether voices of Billie Burke, Reginald Gardiner, Kenny Baker, Edward Arnold, and Great Gildersleeve are genuine or imitated.

Variety
8 p. m.—Eddie Cantor (WIBA): Andrews Sisters help celebrate at party for Harry Von Zelle's baby.
Frank Sinatra (WBBM): with Edward G. Robinson.
9:00—Kay Kyster (WIBA): from Camp Haan, Calif.

Drama
7 p. m.—Mr. and Mrs. North (WIBA): "The Norths Ring the Wedding Knells."
7:30—Dr. Christian (WBBM): again plays Cupid in drama, "The Queen Loves Herring."
8:30 p. m.—Mr. District Attorney (WIBA): "The Case of the Unemployed Horse Player."

Miscellaneous
8 p. m.—Keep Up With the World (WENR): Lowell Thomas m. c. special program from Pawling, N. Y., observing anniversary of Aviator's Recreation Center; audience will include high ranking army officers and veterans of air combat in Europe and Pacific.
8:55 p. m.—Storyteller



These brothers and sisters, Vernon, Lucynn, Gordon, and Elva Polk, reading from the top down, comprise the Town Criers, rhythm quartet, heard on Kay Kyster's program every Wednesday at 9 p. m. over WIBA.

Thursdaytime
9 a. m.—My True Story (WLS): "Man to Man."
9:45 a. m.—Listening Post (WLS): "Ambassador G. I." by Allan Swinton.
2:30 p. m.—Tales From Far and Near (WBBM): "Mr. Bumps and His Monkey" by Walter de la Mare.

WIBA THURSDAY

MORNING	
6:00 Morning Parade	6:30 NBC David Harum
6:30 News Reports	6:35 Morning Variety
6:35 NBC World News Roundup	6:45 NBC Music of the Day
7:00 NBC World News Roundup	7:00 NBC Right to Happiness
7:15 Musical Clock	7:00 NBC Backstage Wife
7:30 Musical News Edition	7:00 NBC Stella Dallas
7:50 Musical Clock	7:30 NBC Lorenzo Jones
8:00 NBC News Reports	7:30 NBC Younger Widder Brown
8:05 NBC News Reports	7:35 NBC Treasury
8:15 NBC News Reports	8:00 NBC Treasury
8:25 NBC News Reports	8:15 NBC Treasury
8:35 NBC News Reports	8:30 NBC Treasury
8:45 NBC News Reports	8:45 NBC Treasury
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1:30 NBC News Reports	1:30 NBC Treasury
1:45 NBC News Reports	1:45 NBC Treasury

OTHER STATIONS THURSDAY

MORNING	
6:00 Farm Service—WIBU	7:00 Farm Service—WIBU
6:00 Top of the Morning—WTMJ	6:15 Everett Mitchell—WMAQ
6:15 Victory Farmers—WLS	6:30 Morning Devotions—WLS
7:00 Fats Galluccio—WMAQ	

NEWS BROADCASTS

TONIGHT	
5:00 WCCO WBBM	7:55 KMOX WBBM
5:00 WGN WMAQ	8:00 WGN WBW
5:00 WIND WBW	8:00 WIND WCFE
5:05 WMAQ	8:00 WMAQ WENR
5:30 WCCO WBBM	10:00 WCCO WENR
5:30 WTMJ WIBA	10:15 WMAQ WIBA
5:45 WMAQ	10:00 WGN WENR
5:45 WBBM WCCO	10:30 WBBM
5:55 WIBA WBBM	10:45 WGN
6:00 WBBM WBW	11:00 KMOX WMAQ
6:05 WLS WIND	11:00 WBBM WTMJ
6:15 WTMJ WMAQ	11:00 WENR WGN
6:15 WIBA WGN	11:30 WTMJ WIBA
6:45 WIBA WMAQ	12:00 WIND WENR
7:00 WGN WIND	12:00 WGN WBBM
7:00 WLS WIND	12:00 WMAQ WBBM
7:30 WCFE WIND	1:25 WENR WMAQ
7:30 WBW	1:00 WBBM WGN

THURSDAY

A. M.	
5:30 WMAQ WIND	2:30 WIBA WIND
5:30 WMAQ WIND	2:45 WLS
6:00 WMAQ WIND	3:00 WGN WIND
6:05 WTMJ	3:00 WENR
6:30 WTMJ WIBA	3:00 WMAQ WCFE
6:45 WGN WLS	3:15 WBBM
6:45 WMAQ	4:00 WGN WJJD
6:55 WBBM	4:15 WLS
7:00 WIBA	4:45 WMAQ
7:00 WIND KMOX	5:00 WBBM WCCO
7:00 WCFE WCCO	5:00 WMAQ WGN
7:00 WBBM WTMJ	5:00 WIND WBW
7:15 WGN WBBM	5:05 WMAQ
7:30 WMAQ WBBM	5:30 WBBM WCCO
7:35 WCFE WMAQ	5:30 WMAQ WBBM
7:45 WMAQ WTMJ	5:45 WBBM WMAQ
8:00 WGN WBBM	5:55 WBBM WMAQ
8:15 WLS	6:00 WBBM WLS
8:25 WTMJ	6:00 WBW WIND
8:30 WCCO WMAQ	6:15 WTMJ WMAQ
8:35 WBBM	6:15 WGN WGN
8:45 WIND WBBM	6:30 WBW WGN
8:50 WGN WMAQ	6:45 WLS WMAQ
9:15 WTMJ WMAQ	7:00 WMAQ WBBM
9:30 WLS WIND	7:00 WLS WIND
9:40 WGN	7:20 WMAQ WCFE
10:00 WBW WJJD	7:30 WMAQ WBBM
10:30 WBW WLS	8:00 WGN WBW
10:30 WMAQ	8:30 WCFE
10:45 WLS	9:00 WGN WGN
11:00 WGN WBW	9:30 WIND
11:15 WMAQ	10:00 WGN WENR
11:30 WMAQ	10:00 WBW WIND
11:30 WBW WGN	10:00 WIBA WCFE
11:45 WBBM	10:00 WGN
	10:15 WMAQ WMAQ
	10:15 WBBM WGN
	10:30 WGN WBBM
	10:30 WMAQ WBBM
	10:45 WLS
	11:00 WGN WBW
	11:15 WMAQ
	11:30 WMAQ WBBM
	11:30 WCCO WLS
	11:30 WTMJ WMAQ
	11:30 WBW WGN
	11:45 WBBM

AFTERNOON

12:00 Dinnerbell Time—WLS	12:00 The Granddaddy—WTMJ
12:00 World and Music—WIBU	12:00 Elizabeth—WBBM WMAQ
12:15 Ma Perkins—WCCO WBBM	12:15 Terry's House Party—WGN
12:15 Loop Noonday Service—WJJD	12:30 Paula Stone—WGN
12:30 Bernardine Flynn—WBBM	12:30 The Goddesses—WCCO WBBM
12:45 American Woman's Jury—WGN	1:00 Farm Service—WIBU
1:00 Farm Service—WIBU	1:00 The Girl in the White—WTMJ
1:00 Guiding Light—WMAQ	1:00 Joyce Jordan—WBBM WCCO
1:15 Linda's First Love—WMAQ	1:15 Today's Children—WTMJ
1:15 Big Sister—WBBM WCCO KMOX	1:20 Farm and Music—WIBU
1:20 Helen Trent—WBBM WCCO	1:30 Women in White—WBBM
1:30 Women in White—WBBM WCCO	1:45 Our Gal Sunday—WBBM WCCO
1:45 Farm Front—WIBU	

SPORTS REVIEWS

TONIGHT	
5:45 WIBA WTMJ	11:00 WMAQ
6:00 KMOX	9:00 WIND

MARKETS

THURSDAY	
6:25 KMOX	12:00 WBW
11:30 WLS	12:10 WBW
11:45 WLS	12:40 WBW
	12:50 WLS
	1:10 WLS

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Uncle Ray's Corner

JUPITER COMPARES WITH EARTH AS ORANGE DOES TO CHERRY

Yesterday I gave figures about the planets and their diameters. Today let's compare them to certain well known objects.

Let us start with the earth, and suppose that it is the size of a cherry. In that case, Venus also would be the size of a cherry, but a slightly smaller cherry. Uranus and Neptune could be represented by small peaches (if you had them at this season).

Oranges could be used for Jupiter and Saturn, the Jupiter orange being larger than the one for Saturn.

On that scale, a pea could be used for Mercury. What we should do about Pluto, it is hard to say, since Pluto's size is not known very closely. Yet we do know that Pluto is of rather small size, and we might let a pea do duty for it, as well as for Mercury.

That, in a rough way, shows the relative sizes of the nine planets. If you would like to be more exact about the matter, you could cut disks from paper, using a compass to make your circles.

In preparing the disks, let us use a scale of one inch to 16,000 miles. In that case, the disk for the planet Jupiter should be five and one-half inches wide.

The disk for the earth should be one-half inch wide, and the Venus disk should be seven-sixteenths of an inch wide.

Let a disk three-sixteenths of an inch wide represent Mercury, and

until the facts are better known, make one of the same size for Pluto.

Neptune's disk should be given a diameter of two and one-sixteenth inches, and the Uranus disk one and fifteen-sixteenths inches wide.

Mars, on that scale, would have a diameter of a quarter of an inch.

For Saturn, the circle is four and three-fourths inches wide, and we also make rings. Let the diameter of the outer ring be 11 inches, and cut a hole in the middle so the ring will be one-inch wide. Then make an inner ring with a diameter of nine and a half inches, and a width of one and a half inches. There may be three rings around Saturn, possibly four, but scientists are not clear about them, and the two broad ones will do very well.

Let a disk three-sixteenths of an inch wide represent Mercury, and

Tomorrow: Speed of the Planets.

Tonight and every Wednesday over CBS

Tonight's guest star: Edward G. Robinson

Listen in to this sparkling new FRANK SINATRA MAX FACTOR HOLLYWOOD SHOW

WBBM 8 P.M.