(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

FREQUENCIES

WIBA	1310	WCFL	1000	KMOX	1120
WHA	970	WIBU	1240	WGN	720
WLW	700	WENR	890	WIND	560
WBBM	780	WTMJ	620	WJJD	1160
WCCO	830	WMAQ	670	WLS	890

WIBA TONIGHT

5:00 WIBA Rangers
5:30 News Edition
5:45 Sports Parade
5:55 News Report
6:00 NBC Music Shop
6:15 Dinner Melody
6:30 NBC Bob Burns
7:00 NBC Those We Love
7:30 NBC The Aldrich Family
8:00 NBC Music Hall
8:30 NBC Joan Davis and Jack Haley
9:00 NBC Harry Savoy
9:30 Melodic Interlude
9:45 Life of Gen Smuts
10:00 Night News Edition
10:15 BLUE Raymond Gram Swing
10:30 Treasury Salute
10:45 Serenade
11:00 NBC News Report
11:05 Masterworks
11:30 NBC Design for Listening
11:55 News Report

OTHER STATIONS TONIGHT

5:00 Terry and the Pirates—WENR
5:15 Malcolm Claire—WENR
5:15 Safety Legion—WGN
5:15 University Special—WIBU
5:30 Tom Mix—WGN WIBU
5:30 Jack Armstrong—WENR
5:45 The Sea Hound—WENR
5:45 Superman—WIBU WGN
6:00 Jim Blade's Music—WMAQ
6:00 Fulton Lewis, Jr.—WIBU
6:00 Music Shop—WTMJ
6:15 Passing Parade—WBBM WCCO
6:15 Lum and Abner—WIBU
6:30 Mr. Keen—WBBM KMOX
6:30 Hollywood Theater—WTMJ
6:45 Discussion Club—WLS
6:45 H. V Kaltenborn—WMAQ
7:00 Suspense—WCCO WBBM
7:00 Those We Love—WMAQ WTMJ
7:00 Confidentially Yours — WGN
7:15 Return of Nick Carter—WGN
7:15 Lum and Abner—WLS
7:30 Human Adventure—WGN
7:30 America's Town Meeting—WLS
7:30 Old Timer Jamboree—WIBU
7:30 Death Valley Days—WBBM
7:30 Aldrich Family—WTMJ WMAQ
8:00 Music Hall—WMAQ WTMJ
8:00 Gabriel Heatter—WIBU WGN
8:00 Major Bowes' Amateurs—WBBM
8:00 America's Town Meeting—WENR
8:15 Screen Test—WGN
8:15 Today's American Hero—WIBU
8:30 Starlight Serenade—WIBU WGN
8:30 Spotlight Bands—WENR
8:30 Joan Davis—WMAQ WTMJ
8:30 Dinah Shore—WBBM WCCO
8:55 Storyteller—WENR
9:00 Harry Savoy—WMAQ WTMJ
9:00 Raymond Gram Swing—WENR
9:00 The First Line—WBBM WCCO
9:15 Dale Carnegie—WGN
9:30 Army Air Forces—WIBU
9:30 March of Time—WMAQ WTMJ
9:30 Here's to Romance—WBBM
9:30 Swings the Thing—WGN
10:00 I Love a Mystery—WBBM
10:00 Music Shop—WMAQ
10:15 King's Jesters & Janette—WBBM
10:30 Treasury Salute—WENR
10:45 Rumpus Room—WTMJ
11:10 Benny Strong Orch.—WGN
11:05 Jimmy Dorsey Orch.—WENR
11:15 Benny Strong Orch.—WGN
11:15 Lew Diamond Orch.—WENR
11:15 One for the Book—WMAQ
11:30 Frank Borgo Orch.—WBBM
11:30 Eddie Oliver Orch.—WENR
11:30 Design for Listening—WMAQ
11:30 Carmen Cavallaro Orch.—WGN
12:00 Meditations—WTMJ
12:00 Say It With Music—WENR
12:00 Night Watch (to 6)—WIND
12:05 Don Reid Orch.—WGN
12:05 Henri Gendron Orch.—WBBM
12:05 Promenade Concert—WMAQ
12:30 Bill Snyder Orch.—WBBM
12:30 Chuck Foster Orch.—WGN
12:30 Woody Herman Orch.—WENR
1:00 News and Music (to 2:10)—WBBM
1:00 Melody Time—WGN

WIBA FRIDAY

Morning

6:00 Morning Variety.
6:30 News Report.
6:35 Interlude.
6:45 Patsy & Her Guitar.
7:00 NBC World News.
7:15 Trading Post.
7:25 Interlude.
7:30 State Journal News Edition.
7:50 Musical Clock.
8:30 Contests.
8:35 Interlude.
8:45 Shopping Guide.
9:00 The Gospel Twins.
9:15 This is France.
9:30 NBC Echoes from the Tropics.
9:45 Show Tunes.
10:00 NBC Road of Life.
10:15 Voice of the Army.
10:30 News.
10:40 Interlude.
10:45 NBC David Harum.
11:00 Linda's First Love.
11:15 Mary Foster.
11:30 Farm Roundup.

Afternoon

12:00 News Report.
12:05 Farm Roundup.
12:15 Farm Roundup.
12:30 Noon News Edition.
12:50 Interlude.
1:00 NBC Guiding Light.
1:15 NBC Today's Children.
1:30 NBC Women in White.
1:45 Jan Loring.
2:00 NBC A Woman of America.
2:15 NBC Ma Perkins.
2:30 Music of the Day.
2:45 NBC Right to Happiness.
3:00 NBC Backstage Wife.
3:15 NBC Stella Dallas.
3:30 NBC Lorenzo Jones.
3:45 NBC Young Widder Brown.
4:00 Campus Jamboree.

Evening

5:00 WIBA Rangers.
5:30 News Edition.
5:45 Sports Parade.
5:55 News Report.
6:00 NBC Music Shop.
6:15 NBC News of the World.
6:30 Dinner Melody.
6:45 NBC H. V. Kaltenborn.
7:00 NBC Concert.
7:30 NBC The Thin Man.
8:00 NBC Waltz Time.
8:30 NBC People Are Funny.
9:00 NBC Boston Blackie.
9:30 Melodies Interlude.
9:45 NBC To Be Announced.
10:00 Night News Edition.
10:15 NBC Richard Harkness.
10:30 NBC Author's Playhouse.
11:00 NBC News Report.
11:05 Masterworks.
11:30 NBC Three Sims, Trio.
11:45 NBC Lee Sims, Pianist.
11:55 NBC News Report.

WHA FRIDAY

Morning

7:30 Band Wagon.
7:45 Morning News.
7:58 Program Review.
8:00 Music You Want.
8:30 Fun Time.
8:50 News and Views.
9:00 Transatlantic Call.
9:30 Morning Melodies.
9:57 Weather: Eric Miller.
10:00 Homemakers' Program: Health Highways, Dr. Llewellyn R. Cole; For Summer Reading, Bernice Leary.
10:30 Musical Moments.
10:45 Campus Visitors.
11:00 William Pfeiffer, baritone.
11:30 Noon Musicale.

Afternoon

12:20 Noon News.
12:30 Farm Program: Hoglots Need Sanitation, V. S. Larson; Farm Question Box, Rupert Rasmussen.
1:00 Chapter a Day.
1:30 Let's Learn Spanish.
1:45 Spanish Serenade.
2:00 The Language We Speak, Prof. Miles Hanley.
2:30 Music of the Masters.
3:30 Later Than You Think.
4:00 Music at Four For You.
4:30 Voice of the Army.
4:45 Don Voegeli, Organ.

Evening

5:00 Alpine Melodies.
5:30 Adventure Stories.
5:45 Afternoon News.
6:00 Dinner Musicale.
6:30 Masterworks of Music.

OTHER STATIONS FRIDAY

—MORNING—

6:00 Breakfast Frolic—WGN WJJD
6:00 Farm News—WLS
6:00 Top o' the Morning—WTMJ
6:15 Everett Mitchell—WMAQ
6:15 Morning Devotions—WLS
6:30 Back to the Bible—WIND
7:00 Pats Gallicchio—WMAQ
7:01 Farm Service—WIBU
7:45 Dr. Preston Bradley—WLS
8:00 Musical Clock—WIBU
8:00 Your Neighbor—WMAQ
8:30 Breakfast Club—WLS
9:00 Haven of Rest—WJJD
9:00 Hebrew Christian Hour—WIBU
9:00 Lora Lawton—WMAQ WTMJ
9:00 Valiant Lady—WBBM WCCO
9:00 Sweet River—WLS
9:15 Light of the World—WBBM
9:15 My True Story—WLS
9:30 Open Door—WBBM WCCO
9:30 Shady Valley Folks—WIBU
9:30 Echoes from the Tropics—WMAQ
9:45 Listening Post—WLS
9:45 Bachelor's Children—WBBM
9:45 Star Playhouse—WMAQ WTMJ
10:00 Honeymoon Hill—WBBM WCCO
10:00 Road of Life—WMAQ WTMJ
10:00 Breakfast at Sardi's—WLS
10:15 Second Husband—WBBM WCCO
10:15 Vic and Sade—WMAQ WTMJ
10:30 The Brave Tomorrow—WMAQ
10:30 Bright Horizon—WBBM WCCO
10:45 What's Your Idea?—WIBU
10:45 David Harum—WMAQ WTMJ
10:45 Aunt Jenny's Stories—WBBM
11:00 The Editor's Daughter—WMAQ
11:00 Martha and Helen—WLS
11:00 Guiding Light—WTMJ
11:00 Kate Smith Speaks—WBBM
11:00 Bonke Carter—WGN WIBU
11:15 Rhymster Time—WGN
11:15 Linda's First Love—WMAQ
11:15 Today's Children—WTMJ
11:15 Big Sister—WBBM WCCO KMOX
11:30 Light of the World—WTMJ
11:30 Romance of Helen Trent—WBBM
11:45 Reveille Roundup—WMAQ
11:45 Our Gal Sunday—WBBM WCCO

—AFTERNOON—

12:00 Elizabeth Hart—WMAQ
12:00 Dinnerbell Time—WLS
12:00 The Grenadiers—WTMJ
12:00 Life Can Be Beautiful—WBBM
12:15 Ma Perkins—WBBM WCCO
12:30 Luncheon with Lopez—WGN
12:30 Loop Noonday Service—WJJD
12:30 Bernadine Flynn—WBBM
12:45 The Goldbergs—WBBM WCCO
12:45 Bond Wagon—WMAQ
1:00 Farm Service—WIBU
1:00 Guiding Light—WMAQ
1:00 Portia Faces Life—WBBM WCCO
1:00 Life Can Be Beautiful—WTMJ
1:15 Si Hays—WIBU
1:15 Today's Children—WMAQ
1:15 Joyce Jordan—WCCO WBBM
1:15 The Goldbergs—WTMJ
1:30 Woman in White—WMAQ
1:30 Dr. Malone—WBBM WCCO
1:30 Jack Berch—WIBU
1:30 Aunt Jenny—WTMJ
1:45 Betty Crocker—WMAQ
1:45 Perry Mason—WBBM KMOX
2:00 Tidings of Hope—WIBU
2:00 Morton Downey—WLS
2:00 Mary Marlin—WBBM WCCO
2:00 A Woman of America—WMAQ
2:15 Hollywood Star Time—WLS
2:15 Ma Perkins—WTMJ WMAQ
2:15 White Sox vs. Boston—WIND
2:30 Nashville Varieties—WIBU
2:30 Pepper Young—WTMJ WMAQ
2:45 Right to Happiness—WMAQ
2:55 Cubs vs. Brooklyn—WJJD
3:00 Gospel Hour—WIBU
3:00 Broadway Matinee—WBBM
3:00 Backstage Wife—WMAQ WTMJ
3:15 Don Norman Show—WENR
3:15 Stella Dallas—WMAQ WTMJ
3:30 Music for Remembrance—WIBU
3:30 Judy and Jane—WGN
3:30 Lorenzo Jones—WMAQ WTMJ
3:45 Widder Brown—WMAQ WTMJ
4:00 Safety Legion—WIBU
4:00 Mystery Chef—WENR
4:00 When a Girl Marries—WMAQ
4:15 Russian War Relief—WIBU
4:15 We Love and Learn—WMAQ
4:30 Parade of Bands—WIBU
4:30 Just Plain Bill—WMAQ WTMJ
4:45 Front Page Farrell—WMAQ
4:45 Dick Tracy—WENR
4:45 Wilderness Road—WBBM

—EVENING—

5:00 Prayer—WIBU
5:00 Terry and The Pirates—WENR
5:15 Safety Legion—WGN
5:15 University Special—WIBU
5:15 Malcolm Claire—WENR
5:15 Lyn Murray Orch.—WBBM
5:30 Tom Mix—WGN WIBU
5:30 Jack Armstrong—WENR
5:45 Superman—WGN WIBU
5:45 Sea Hound—WENR
6:00 Jim Blade Music—WMAQ
6:00 Music Shop—WTMJ
6:00 Fulton Lewis, Jr.—WIBU
6:15 We Who Dream—WBBM
6:15 Lum and Abner—WIBU
6:30 Lone Ranger—WLS
6:30 Friday on Broadway—WBBM
6:45 H. V. Kaltenborn—WMAQ
7:00 Concert Hour—WMAQ WTMJ
7:00 Charles Ruggles—WBBM
7:15 Parker Family—WLS
7:30 Thin Man—WMAQ WTMJ
7:30 Freedom of Opportunity—WGN
7:30 Meet Your Navy—WLS
7:30 Service to the Front—WBBM
8:00 Waltz Time—WTMJ WMAQ
8:00 It Pays to Be Ignorant—WBBM
8:00 Gabriel Heatter—WIBU WGN
8:00 Gang Busters—WENR
8:15 Screen Test—WGN
8:15 4-H Safety Contest—WIBU
8:30 Spotlight Bands—WENR
8:30 Brewster Boy—WBBM WCCO
8:30 People Are Funny—WMAQ
8:30 Double or Nothing—WGN WIBU
8:55 Storyteller—WENR
9:00 Boston Blackie—WMAQ
9:00 Norman Thomas—WIBU
9:00 Durantee and Moore—WBBM
9:00 Boston Blackie—WMAQ WTMJ
9:15 Ted Malone—WENR
9:30 Weird Circle—WGN
9:30 Nero Wolfe—WENR
9:30 Bill Stern—WMAQ WTMJ
9:30 Stage Door Canteen—WBBM
10:00 I Love a Mystery—WBBM
10:00 Music Shop—WMAQ
10:15 Treasury Salute—WTMJ
10:15 So the Story Goes—WBBM
10:30 The Vagabonds—WMAQ
10:30 Nation's Monuments—WENR
10:45 Serenade and Swing—WBBM
10:45 Rumpus Room—WTMJ
11:05 Bob Strong Orch.—WBBM
11:15 One for the Book—WMAQ
11:15 Gay Claridge Orch.—WENR
11:15 Geo. Hamilton Orch.—WGN
11:30 Eddie Oliver Orch.—WENR
11:30 Author's Playhouse—WMAQ
11:30 Don Reid Orch.—WGN
11:30 Bob Berkey Orch.—WBBM
12:00 Say It With Music—WENR
12:00 Nite Watch (to 6)—WIND
12:05 Eddie Stone Orch.—WGN
12:05 Promenade Concert—WMAQ
12:05 Ralph Morrison Orch.—WBBM

NEWS BROADCASTS

TONIGHT

5:00 WIND KMOX
5:00 WMAQ WGN
5:00 WCCO WBBM
5:01 WIBU
5:15 KMOX
5:30 WBBM WCCO
5:30 WIBA WTMJ
5:45 WCCO WMAQ
5:45 WHA WBBM
5:55 WIBA WBBM
6:00 WBBM WIBU
6:00 WLS WIND
6:15 WMAQ WTMJ
6:30 WLS WIND
6:30 WIBU WGN
6:45 WMAQ
7:00 WIND WLS
7:00 WGN WCFL
7:15 WJJD
7:25 WIBU
7:30 WCFL WIND
7:50 WHA
7:55 WBBM KMOX
8:00 WIBU WGN
8:00 WIND WCFL
8:30 WCFL WIND
9:00 WGN WCFL
9:00 WIND WIBU
10:00 WIBA WTMJ
10:00 WENR WCFL
10:00 WGN WIBU
10:00 WCCO WIND
10:15 WIBA WMAQ
10:15 KMOX WCCO
10:45 WGN WENR
11:00 WCCO WTMJ
11:00 WTMJ KMOX
11:00 WGN WENR
11:00 WIND WMAQ
11:00 WBBM WIBA
11:30 WIND
11:55 WIBA WENR
12:00 WMAQ WIND
12:00 WBBM WGN
12:55 WMAQ WENR
12:55 WTMJ
1:00 WBBM WIND
2:00 WIND (also 3, 4, and 5)

FRIDAY

5:30 WMAQ WIND
5:45 WGN
6:00 WMAQ WIND
6:05 WTMJ
6:25 WGN
6:30 WIBA WTMJ
6:45 WLS
6:55 WMAQ WBBM
7:00 WBBM KMOX
7:00 WIBA WLS
7:00 WTMJ WIND
7:00 WCFL WCCO
7:15 WBBM WGN
7:30 WIBA WTMJ
7:45 KMOX WHA
7:55 WMAQ WTMJ
8:00 WIND KMOX
8:00 WGN WBBM
8:15 WLS WMAQ
8:25 WTMJ
8:30 WMAQ WIND
8:50 WHA
8:55 WMAQ
8:45 WBBM WIND
9:00 WIND WGN
9:15 WTMJ WMAQ
9:30 WIND
9:40 WGN
10:00 WJJD WCFL
10:00 WIND WIBU
10:30 WLS WIBA
10:30 WIND WIBU
10:45 WLS
10:55 WIBU
11:00 WIND WGN
11:00 WIBU WJJD
11:30 WIBU WIND
11:30 WMAQ WGN

P. M.

12:00 KMOX WIND
12:00 WIBA WJJD
12:15 WIBU
12:20 WHA
12:30 WCCO WIND
12:30 WIBA WBBM
12:30 WMAQ WLS
12:45 KMOX WCFL
12:55 WTMJ
1:00 WIND WGN
1:30 WJJD WLS
1:45 WGN WCCO
1:55 WTMJ
2:45 WLS
3:00 WGN WCFL
3:30 WENR WBBM
3:45 WBBM
4:00 WGN
4:15 WENR
5:00 WCCO WIND
5:00 KMOX WBBM
5:00 WMAQ WGN
5:01 WIBU
5:15 WMAQ
5:30 WCCO WBBM
5:30 WTMJ WIBA
5:45 WCCO WMAQ
5:45 WBBM WHA
5:55 WIBA WBBM
6:00 WBBM WIBU
6:00 WLS WIND
6:15 WIBA
6:15 WMAQ WTMJ
6:30 WIBU WGN
6:45 WIBA WMAQ
7:00 WGN WIND
7:00 WCFL WLS
7:15 WIBU WJJD
7:25 WIBU
7:30 WIND WCFL
7:55 KMOX WBBM
8:00 WIBU WCFL
8:00 WGN WIND
8:30 WIND
9:00 WIBU WIND
9:15 WENR
9:30 WIND
10:00 WTMJ WGN
10:00 WIBA WIBU
10:00 WCFL WENR
10:00 WIND WCCO
10:15 WIBA WMAQ
10:15 KMOX WMAQ
10:30 WBBM WGN
10:45 WGN WENR
11:00 WBBM WGN
11:00 WIBA WMAQ
11:00 WENR WTMJ
11:00 WCCO WIND
11:30 WIND
11:55 WIBA WENR
12:00 WIND WMAQ
12:00 WGN WBBM
12:55 WENR
12:55 WTMJ WMAQ
1:00 WBBM WIND
1:30 WGN
2:00 WIND (also 3, 4, 5)

SPORTS REVIEWS

TONIGHT

5:15 WCCO
5:40 WMAQ
5:45 WIBA WTMJ
6:00 KMOX WJJD
6:05 WBBM
6:25 WCFL
7:00 WIND
9:00 WIND

FRIDAY

P. M.

9:00 WIND
2:00 WIND
2:40 WJJD
4:15 WIND
5:00 WJJD
5:40 WMAQ
5:45 WTMJ WIBA
6:00 WJJD KMOX
6:05 WBBM
6:25 WCFL
7:00 WIND
9:00 WIND
9:30 WMAQ WTMJ

MARKETS

FRIDAY

A. M.

6:25 KMOX
11:30 WLS
11:45 WLS

P. M.

12:00 WIBU
12:10 WIBU
12:15 WIBA
12:40 WIBU
12:45 WGN
12:50 WLS
1:10 WLS

Save All Your Waste Fats and Paper

TONIGHT • WBBM • 7:00

• LISTEN TO

"SUSPENSE"...spine-chilling mystery drama presented by

ROMA WINES

"AMERICA'S LARGEST SELLING WINES"

STARRING

A NEW STAR EACH WEEK

EXCLUSIVE DISTRIBUTORS OF ROMA WINES IN THIS AREA

Barg & Foster Co.

518 DIVISION ST. G. 111

MADISON, WIS.

Tonight's Aces

Discussion

7:30 p. m. — America's Town Meeting (WLS): Paul Hagen, Prof. Karl M. Arndt, Emil Ludwig, and Carroll Binder on "Should Defeated Germany Be Allowed Immediate Self-Government?"

◇ ◇ ◇

Drama

7 p. m.—Suspense (WBBM): Keenan Wynn in "The Walls Came Tumbling Down."

7:30 p. m.—The Human Adventure (WGN): "The Story of Anesthesia." . . . **Death Valley Days** (WBBM): "The Jingo and Johnny Mine," story of a horse's devotion for his master.

9:30 p. m. — March of Time (WMAQ): "Joe Is Home Now."

◇ ◇ ◇

Music

9:30 p. m. — Spotlight Bands (WENR): George Olsen . . . **Starlight Serenade** (WGN): "Hallelujah," "Goodnight Wherever You Are," "Besame Mucho."

9:30 p. m.—Here's to Romance (WBBM): with Greta Keller; "These Foolish Things," "When I Learned French," "Dardanella," "I'll Get By," "At Sundown."

VICKI VOLA

Vicki Vola, versatile regular of the Thursday "Death Valley Days" program, portrays roles from 'teen-agers to matriarchs.

Variety

6 p. m.—Music Shop (WIBA): with Jerry Colonna.

8 p. m.—Bing Crosby (WIBA): and Roy Rogers.

8:30 p. m.—Joan Davis and Jack Haley (WIBA): surprise birthday party . . . **Dinah Shore** (WBBM): and Charles Laughton.

Uncle Ray's Corner

There is a grass in northern Africa which cattle like to eat. That is, they eat it if they can get it before it is too old. In its "old age," this grass is so tough that a cow can't get it down very well.

I am speaking of esparto grass.

Esparto grass grows in Spain, as well as in northern Africa. There are thousands of acres of it in the parts of Spain known as Valencia and Murcia. It grows best in dry, sandy soil. Sometimes it reaches a height of four or five feet.

The stalks grow in clusters. One cluster may be three or four feet wide.

Growing from the stalks are gray-green leaves. The leaves usually are from six inches to two feet long, but some have a length of three feet.

The fact that this grass becomes tough is important. After it has been in the ground for several years, it is excellent for making ropes.

The grass is of light weight. After being turned into a rope or cable, it will float on the surface of the sea. The Spanish navy has used esparto grass cables for a long time.

When esparto grass goes to seed, the wind often breaks off the spiked "awns" which grow at the tops of the stalks and which hold the seeds. The awns sail in the breeze, and may travel 50 miles or more.

Settling on the ground at last, an awn gets a "foothold" in the soil. Then a strange thing starts to go on. Taking moisture from the air, the awn grows a bit longer and goes deeper into the soil.

Dry weather tends to shorten the awns, but they have barbed hairs which hold them in the soil. The seeds become buried so more esparto grass can grow.

Esparto grass is one of the "feather grasses." Other kinds of feather grass have much the same method of spreading their seeds.

Besides being turned into rope, esparto grass goes into sandals, baskets, mats and paper. It has been used for paper-making in Europe for a long time.

Esparto grass has been found growing in dry parts of the United States, from New England to Wisconsin.

(For GENERAL INTEREST or NATURE section of your scrapbook.)

Uncle Ray

Sights in strange India is the title of a picture leaflet. It contains ten pictures by Frank C. Pape and several hundred words of text by Uncle Ray. To obtain a copy send a self-addressed envelope bearing a three-cent stamp to Uncle Ray in care of this newspaper.