(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

Tonight's Aces

Special Program

9 p. m.—Fifth War Loan Drive (WIBU, WMAQ, WENR, WCFL): Pres. Roosevelt, Henry Morgenthau, Jr., master of ceremonies; "Invasion," dramatic sketch, starring Walter Huston, Joseph Cotten, and Agnes Moorehead, directed by Orson Welles; Leopold Stokowski conducts "United Nations March," by Shostokovitch; Franchot Tone, Thomas Mitchell, Charles Laughton, Paul Muni, and Joe E. Brown.

◇ ◇ ◇

Quiz

8:30 p. m.—Information Please (WIBA): guest, Admiral Emory S. Land.

◇ ◇ ◇

Miscellaneous

7 p. m.—Vox Pop (WBBM): salutes ranger veterans of Mediterranean and Dieppe.

8:15 p. m.—Screen Test (WGN): premiere; Frank Dunne, narrator; motion picture tests for professional entertainers; Kay Lorraine, guest.

8:55 p. m.—Storyteller (WENR): "The Furious Physician."

◇ ◇ ◇

Music

6 p. m.—Music Shop (WIBA): program by Johnny Mercer replacing Fred Waring; Paul Weston, musical conductor; Pied Pipers; Jo Stafford, singer (WMAQ), 10 p. m.

7:30 p. m.—Concert (WIBA): Rose Bampton, soprano, first guest in summer series; overture to "Euryanthe," finale to Tschaikowsky's "Serenade for Strings," "Let My Song Fill Your Heart," ballet music from "Faust" . . . **Gay Nineties** (WBBM): "An Echo of Her Smile," "A Garland of Old Fashioned Roses," "In the Garden of My Heart," "O What a Pal Was Mary."

8 p. m.—Great Artists (WIBA): guest, Robert Casadesus, pianist; "Huckleberry Finn" from "Mississipi Suite," "Malaguena," "Sarasate," "Concertstuck in F Minor," Weber, Chopin group.

8:30 p. m.—American Music and Song (WGN): new hour; Henry Weber orchestra and Attilio Baggiore; "Love's Old Sweet Song," "My Dream Girl," Brahms' "Lullaby," "To a Wild Rose," "Emperor Waltz."

◇ ◇ ◇

Drama

6:15 p. m.—Dateline (WBBM): "Road to Rome."

FRANK DUNNE
WGN at 8:15

Drama

7 p. m.—Cavalcade of America (WIBA): "My Fighting Congregation," starring Brian Donlevy; guest speaker, Brig. Gen. William R. Arnold, chief of chaplains, U. S. army.

7:30 p. m.—Sherlock Holmes (WGN): "Monster of Gyre."

8 p. m.—Radio Theater (WBBM): Nelson Eddy and Jeanette MacDonald in "Naughty Marietta" . . . **Counterspy** (WENR): David Harding foils attempt to destroy automatic weather broadcasting system.

9 p. m.—Screen Guild (WBBM): Brian Ahearne in "My Son, My Son."

9:30 p. m.—Blondie (WBBM): sits for her portrait.

◇ ◇ ◇

Tuesdaytime

5 a. m.—NBC War Bond Drive (WIBA, WMAQ): entire day will be devoted to nationwide war bond drive in support of volunteer workers, climaxing with hour and a half program presented by stars of stage, screen and radio at 10:30 p. m.; at close of each hour of network broadcast day, NBC will broadcast special pickups from country's national shrines, including statue of Liberty and Plymouth rock.

9 a. m.—Youth Problems (WHA): "When Johnny Leaves Home," the Rev. Cecil Lower of Presbyterian Student House.

9:45 a. m.—Listening Post (WLS): tale of love of a young soldier in Africa and his wife in Vermont.

10 a. m.—Homemakers' Program WHA) from garden of Mrs. E. L. Sevringhaus, Nakoma; new shrubs and plant material, ideas in color and design.

WIBA TONIGHT

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 Cavalcade of America
7:30 NBC Concert
8:00 NBC Great Artists
8:30 NBC Information Please
9:00 Truax Field Calling
9:30 Rent Control
9:45 Service Unlimited
10:00 Night News Edition
10:15 BLUE Raymond Gram Swing
10:30 NBC Stories of Escape
11:00 NBC News Report
11:05 Masterworks
11:30 NBC Three Suns, Trio
11:45 NBC Lee Sims, Pianist
11:55 NBC News Report

OTHER STATIONS TONIGHT

5:00 Terry and the Pirates—WENR
5:15 Safety Legion Time—WGN
5:15 Lyn Murray and Orch.—WBBM
5:15 University Special—WIBU
5:15 Malcolm Claire—WENR
5:30 Tom Mix—WIBU WGN
5:30 Jack Armstrong—WENR
5:45 Superman—WGN WIBU
5:45 Capt. Midnight—WENR
6:00 Fulton Lewis, Jr.—WIBU
6:00 Jim Blade Music—WMAQ
6:00 Music Shop—WTMJ WMAQ
6:15 Dateline—WCCO WBBM
6:15 Lum and Abner—WIBU
6:30 Supper Interlude—WMAQ
6:30 The Lone Ranger—WLS
6:30 Arkansas Traveler—WBBM
6:45 H. V. Kaltenborn—WMAQ
6:45 The Lion's Roar—WGN
7:00 Cavalcade—WMAQ WTMJ
7:00 Vox Pop—WBBM WCCO KMOX
7:15 Lum and Abner—WLS
7:15 Your Reporter—WIBU
7:30 Concert—WTMJ WMAQ
7:30 Sherlock Holmes—WGN
7:30 Gay Nineties Revue—WBBM
7:30 Blind Date—WLS
8:00 Counter Spy—WENR
8:00 Gabriel Heatter—WGN WIBU
8:00 Radio Theater—WBBM WCCO
8:00 Great Artists—WTMJ WMAQ
8:15 Screen Test—WGN
8:30 Music and Song Hour—WGN
8:30 Information Please — WTMJ WMAQ
8:30 Spotlight Bands—WENR
8:55 Storyteller—WENR
9:00 War Loan Program — WIBU WENR WCFL WMAQ
10:00 Music Shop—WMAQ
10:00 Radio Newsreel—WIBU
10:00 Symphonette—WENR
10:00 Fulton Lewis, Jr.—WGN
10:00 I Love a Mystery—WBBM
10:15 Jimmy Fidler—WTMJ
10:15 So the Story Goes—WBBM
10:30 Count Basie Orch.—WIBU
10:30 Vagabonds—WMAQ
10:30 But Not Forgotten—WENR
10:45 Serenade in Swing—WBBM
10:45 Rumpus Room—WTMJ
11:05 Chuck Foster Orch.—WGN
11:05 Music by Warrington—WBBM
11:15 Little Night Music—WMAQ
11:30 Harmony Hall—WGN
11:30 Goldsworthy's Orch—WBBM
11:30 Stories of Escape—WMAQ
12:00 Midnight Musicale—WENR
12:00 Nite Watch (to 6)—WIND
12:05 Ray Benson Orch.—WBBM
12:05 Eddy Cramer Orch.—WGN
12:05 Meditations—WTMJ WMAQ
12:15 Design for Dancing—WMAQ
12:30 Dance Orch.—WBBM
12:30 Another Dance—WENR
12:30 Dance Orch.—WGN
12:45 Paul Paige—WTMJ WMAQ
1:00 Melody Time—WGN
1:00 News and Rhythm—WBBM
1:00 Los Angeles Biltmore Orch—WMAQ
1:30 Harmonaires—WMAQ

OTHER STATIONS TUESDAY

—MORNING—

5:00 NBC Bond Day—WMAQ
6:00 Farm News—WLS
6:00 Top o' the Morning—WTMJ
6:15 Everett Mitchell—WMAQ
6:15 Morning Devotions—WLS
6:30 Victory Farmers—WLS
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 Hebrew Christian Hour—WIBU
9:00 Sweet River—WLS
9:00 Lora Lawton—WMAQ WTMJ
9:00 Valiant Lady—WBBM WCCO
9:15 My True Story—WLS
9:15 Light of the World—WBBM
9:30 The Open Door—WBBM
9:30 Helpmate—WMAQ WTMJ
9:45 Listening Post—WLS
9:45 Star Playhouse—WMAQ
9:45 Bachelor's Children—WBBM
10:00 Honeymoon Hill—WBBM
10:00 Road of Life—WTMJ WMAQ
10:00 Breakfast at Sardi's—WLS
10:15 Vic and Sade—WTMJ WMAQ
10:15 Second Husband—WBBM WCCO
10:30 The Brave Tomorrow—WMAQ
10:30 Bright Horizon—WBBM WCCO
10:45 Baby Institute—WCFL
10:45 What Your Ideal—WIBU
10:45 David Harum—WMAQ WTMJ
10:45 Aunt Jenny's Stories—WBBM
11:00 Boake Carter—WGN WIBU
11:00 Martha and Helen—WLS
11:00 Kate Smith Speaks—WBBM
11:00 Guiding Light—WTMJ
11:00 Editor's Daughter—WMAQ
11:15 Rhymster Time—WGN
11:15 Linda's First Love—WMAQ
11:15 Farm Hour—WIBU
11:15 Today's Children—WTMJ
11:15 Big Sister—WBBM WCCO
11:30 Light of the World—WTMJ
11:30 Helen Trent—WBBM WCCO
11:45 Programs from War Plants—WMAQ
11:45 Our Gal Sunday—WCCO WBBM

—AFTERNOON—

12:00 Indiana 4-H Clubs—WLS
12:00 Just Music—WMAQ
12:00 Life Can Be Beautiful—WBBM
12:00 The Grenadiers—WTMJ
12:15 Jack Berch—WGN
12:15 Ma Perkins—WBBM WCCO
12:30 Loop Noonday Service—WJJD
12:30 Bernadine Flynn—WBBM
12:30 Salute to Bond Salesmen—WMAQ
12:45 American Medical Assn.—WCFL
12:45 American Women's Jury—WGN
12:45 The Goldbergs—WBBM WCCO
12:58 Program from Lincoln's Tomb—WMAQ
1:00 Farm Service—WIBU
1:00 Life Can Be Beautiful—WTMJ
1:00 Portia Faces Life—WBBM WCCO
1:00 Guiding Light—WMAQ
1:15 The Goldbergs—WTMJ
1:15 Today's Children—WMAQ
1:15 American Eagle Club—WGN
1:15 Joyce Jordan—WBBM WCCO
1:30 Jack Berch—WIBU
1:30 Woman in White—WMAQ
1:30 Aunt Jenny—WTMJ
1:30 Young Dr. Malone—WBBM WCCO
1:45 Perry Mason—WBBM KMOX
1:45 Hymns of All Churches—WMAQ
2:00 Morton Downey—WLS
2:00 Woman of America—WMAQ
2:00 Mary Marlin—WBBM
2:15 Ma Perkins—WTMJ WMAQ
2:15 Hollywood Star Time—WLS
2:30 Appointment With Life—WCFL
2:30 Pepper Young—WTMJ WMAQ
2:45 Right to Happiness—WMAQ
2:55 Sox vs. Louis—WIND
3:00 Family Bible 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 Full Speed Ahead—WIBU
3:30 Judy and Jane—WGN
3:30 Lorenzo Jones—WMAQ WTMJ
3:45 Young Widder Brown—WMAQ
4:00 Rev. Polley—WIBU
4:00 Mystery Chef—WENR
4:00 When a Girl Marries—WMAQ
4:15 We Love and Learn—WMAQ
4:30 Parade of Bands—WIBU
4:30 Just Plain Bill—WMAQ WTMJ
4:45 American Women—WBBM
4:45 Front Page Farrell—WMAQ
4:45 Dick Tracy—WENR

—EVENING—

5:00 Terry and the Pirates—WENR
5:15 Malcolm Claire—WENR
5:15 Safety Legion—WGN
5:15 University Special—WIBU
5:15 Edwin C. Hill—WBBM WCCO
5:30 Tom Mix—WGN WIBU
5:30 Jack Armstrong—WENR
5:45 Superman—WGN
5:45 Capt. Midnight—WENR
6:00 Fulton Lewis, Jr.—WIBU
6:00 Music Shop—WTMJ
6:00 Jim Blade Music—WMAQ
6:15 Lum and Abner—WIBU
6:15 Passing Parade—WBBM
6:30 Let Yourself Go—WLS
6:30 Supper Concert—WMAQ
6:30 Those Who Serve—WTMJ
6:30 American Melody Hour—WBBM
6:45 H. V. Kaltenborn—WMAQ
7:00 Confidentially Yours—WGN
7:00 Johnny Present—WTMJ WMAQ
7:00 Big Town—WBBM WCCO
7:15 Lum and Abner—WLS
7:30 Victory Jamboree—WIBU
7:30 A Date With Judy—WMAQ
7:30 Pick and Pat Time—WGN
7:30 Judy Canova—WBBM WCCO
7:30 Duffy's—WLS
8:00 Mystery Theater—WMAQ
8:00 Burns and Allen—WBBM WCCO
8:00 Famous Jury Trials—WENR
8:00 Gabriel Heatter—WGN WIBU
8:15 Screen Test—WGN
8:30 American Forum of the Air—WIBU, WGN
8:30 The Doctor Fights—WBBM
8:30 Fibber McGee—WMAQ WTMJ
8:30 Spotlight Bands—WENR
8:55 Storyteller—WENR
9:00 Raymond Gram Swing—WENR
9:00 Columbia Presents Corwin — WBBM
9:00 Life With Charlotte—WMAQ
9:15 Chester Bowles—WCFL
9:30 Hildegarde—WMAQ
9:30 Halls of Montezuma—WIBU
9:30 Crime Files of Flamond—WGN
9:30 Congress Speaks—WBBM
10:00 San Quentin Program—WIBU
10:00 Music Shop—WMAQ
10:00 BBC Radio Newsreel—WIBU
10:00 Fulton Lewis, Jr.—WGN
10:00 I Love a Mystery—WBBM
10:00 Symphonette—WENR
10:15 King's Jester & Janette—WBBM
10:30 One for the Money—War Bond Show—WMAQ WCFL
10:30 But Not Forgotten—WENR
10:30 Sinfonietta—WIBU
10:45 Salute to Victory—WBBM
11:05 Buffalo Present—WBBM
11:10 Carmen Cavallaro Orch.—WGN
11:30 Don Reid Orch.—WGN
11:30 Pat Trapani Orch.—WENR
11:30 Jimmy Hilliard Orch.—WBBM
12:00 Creeps by Night—WENR
12:00 Nite Watch (to 6) WIND
12:05 Roy Shield & Co.—WMAQ
12:05 Goldsworthy Orch.—WBBM
12:05 Benny Strong Orch.—WGN
12:30 Ol Trace Orch.—WGN
12:30 Bill Snyder Orch.—WBBM
12:30 Another Dance—WENR
1:00 Melody Time—WGN
1:00 Rhythm and News (to 2:30 a. m.) —WBBM

NEWS BROADCASTS TONIGHT

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

TUESDAY

A. M.
5:30 WIND
5:45 WGN
6:00 WMAQ WIND
6:05 WIBA WTMJ
6:25 WGN
6:30 KMOX WTMJ
6:45 WLS
6:55 WMAQ WBBM
7:00 WBBM KMOX
7:00 WTMJ WLS
7:15 WGN
7:15 WCCO WBBM
7:30 WIBA WTMJ
7:45 WHA
7:55 WMAQ WTMJ
8:00 WIND KMOX
8:00 WBBM WGN
8:15 WMAQ WLS
8:25 WTMJ
8:30 WMAQ
8:35 WMAQ
8:45 WBBM WIND
8:55 KMOX
9:00 WIND WGN
9:15 WMAQ WTMJ
9:15 WHA WCFL
9:40 WGN WLS
9:50 WHA
10:00 WIND
10:00 WIBU WJJD
10:30 WIBU
10:30 WLS WIBA
10:45 WLS
11:00 WGN WIBU
11:00 WJJD WIBU
11:30 WMAQ WGN

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

MARKETS TUESDAY

A. M.
6:25 KMOX
11:30 WLS
11:45 WLS

P. M.
12:00 WIBU
12:10 WIBU
12:15 WIBA
12:30 WGN
12:40 WIBU
12:50 WLS
1:10 WLS

SPORTS REVIEWS TONIGHT

5:00 WIND WJJD
5:40 WMAQ
5:45 WTMJ WIBA
6:00 KMOX WJJD
6:05 WBBM
7:00 WIND

TUESDAY

P. M.
2:40 WIND
3:00 WJJD
5:00 WJJD WIND
5:45 WTMJ WIBA
5:40 WMAQ
6:00 WJJD KMOX
6:05 WBBM
6:25 WCFL
7:05 WIND

WIBA TUESDAY

MORNING

5:00 NBC Bond Day Farm Program
6:00 NBC Sports with Bill Stern
6:03 NBC News Summary
6:15 NBC Denver Darling
6:30 NBC Revielle at Glenview
6:32 NBC Servicemen Interviews
6:45 NBC Presenting Julie Conway
6:55 NBC At Statute of Liberty
7:00 NBC Special London Program
7:15 The Trading Post
7:30 State Journal News Edition
7:45 NBC Excerpt from Ernie Pyle Story
7:57 NBC Program from Plymouth Rock
8:00 Musical Clock
8:25 Contest
8:30 NBC Jane Cowl
8:45 Shopping Guide
8:58 NBC Program from Sub-Treasury
9:00 The Gospel Twins
9:15 Treasury Salute
9:30 This is NBC Bond Day
9:45 Lutheran Gospel Hour
10:00 NBC Road of Life
10:15 Music of the Day
10:30 News
10:40 Interlude
10:43 NBC Interview with Helen Hayes
10:45 NBC David Harum
10:48 NBC Pickup from Independence Hall
11:00 Linda's First Love
11:15 The Editor's Daughter
11:30 NBC Coast Guard on Parade
11:45 The Farm Roundup

AFTERNOON

12:00 News Report
12:05 Farm Roundup
12:15 Farm Service
12:30 Noon News Edition
12:58 NBC From Tomb of Lincoln
1:00 NBC Guiding Light
1:15 NBC Today's Children
1:30 NBC Women in White
1:45 Serenade with Jan Loring
1:58 NBC Pickup from Betsy Ross Shrine
2:00 NBC 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
5:45 Sports Parade
5:55 News Report
6:00 NBC Music Shop
6:15 Dinner Melody
6:30 NBC Ronald Colman Show
7:00 NBC Ginny Simms Show
7:30 NBC A Date with Judy
8:00 BLUE Famous Jury Trials
8:30 NBC Fibber McGee & Molly
9:00 NBC Life with Charlotte
9:30 NBC Hildegarde
10:00 News
10:15 BLUE Raymond Gram Swing
10:30 NBC One for the Money
12:00 NBC News Report
12:05 NBC War Bond-Flag Day Show
12:35 NBC News Report

WHA TUESDAY

MORNING

7:30 Band Wagon
7:45 Morning News
7:58 WHA Program Review
8:00 Music You Want
8:30 Morning Melodies
9:00 When Johnny Leaves Home, Rev. Cecil Lower
9:15 News and Views
9:30 Fun Time
9:50 News of Wisconsin
9:57 Weather Report: Eric Miller, meteorologist
10:00 Homemakers' Program: A New Garden Lay-Out, Mrs. E. L. Sevringhaus
10:30 Campus Visitors
10:45 Concert Airs
11:00 Short Story Time
11:30 Noon Musicale

AFTERNOON

12:20 Noon News
12:30 Farm Program: Summertime Erosion Problems: State Soil Conservation Committee, George Nygnard, Paul Weis, Mamre Ward, and B. F. Rusy; Making Grass Silage Today, Gus Bohstedt
1:00 Chapter a Day
1:30 Music Album
2:00 Moods and Melodies
2:30 Music of the Masters
3:30 Reading for Wartime
4:00 Sleuthen Music Program
4:30 Russia, Our Ally
4:45 Letters from Fighting Badgers
5:00 Musical Varieties
5:30 Adventure Stories
5:45 Afternoon News
6:00 Dinner Musicale
6:30 Masterworks of Music: Rise Stevens Recital

Faculty Is Complete at Fall River

FALL RIVER — Principal Calhoun of the Fall River high school has announced that the hiring of the teachers for the 1944-1945 school term has been completed.

Dorothy Reinert, Columbus, will replace Marion Durow in the first and second grades; Maryon Worden, Beaver Dam, will replace Mrs. Eileen Koskey in the fifth and sixth grades. Miss Rydeem will be the only replacement in the high school and will teach social science and vocal music.

Ethel Twomey will continue to teach the third and fourth grades; Mrs. Irene Tramburg, the seventh and eighth grades; Esther Gates, the commercial subjects; Mrs. Florence Kasten, the English classes; Mrs. Willis Freitag, home economics, and J. Kleinmann will return as director of the band.

Hi Neighbor
Listen to the
FARM SERVICE PROGRAM
Facts about livestock, crops, soils, farm practices, and the
LIVESTOCK MARKET
with Phil Campbell Roy Ormond and Fred Gurkel
WIBA 12:15 to 12:30 PM 1310 on your dial
WIBU 12:40 to 12:45 PM Dial setting 1240
MONDAY THRU FRIDAY
Broadcast from the stockyards of
OSCAR MAYER & CO.
MADISON, WIS.
FINE MEATS SINCE 1883

DRAFTIE

By Paul Fogarty

Uncle Ray's Corner

Stone Age Indians Sometimes Used Ladder as Stairways

Much of the history of the ladder has been lost. We are likely to use ladders hundreds of times during our lives, but no one knows when they were used for the first time.

The first ladders are believed to have been made before anyone knew how to write. That seems to explain why no record was made about the start of this great invention. The earliest ladders must have been crude affairs. Very likely they were made from slender trees. Some of the branches of such a tree can be cut away, and other branches can be left in place, perhaps being cut short.

If a slender tree is cut, and the branches are trimmed in the right way, a ladder of a sort is made—with "rungs" on either side of the trunk. Present-day beekeepers often use ladders of that type, but the modern ones must be better than those of the Stone Age.

Indians in southwestern parts of the United States lived in the "Late Stone Age." They had ladders, as we know from records left by Spanish explorers. Coronado and his men watched those Indians climb ladders, and were amazed by their skill.

The Pueblo Indians, we are told, could climb the ladders as if they were stairways. They kept a perfect balance without holding the rungs with their hands. Coronado wrote:

"One of these Indian women can carry a jug of water up a ladder on her head, without touching it with either hand."

As I write these words, I have before me a picture which was made by an Egyptian artist about 4,000 years ago. It shows two ladders which were used by Egyptian soldiers while they were capturing a fort. The ladders look like those which are most commonly used today. They had straight sidepieces, with rungs between.

Wood is the common material for ladders. Yet we have some of light weight metal, and in certain cases rope ladders are used. Firemen in many cities have "aerial" or "telescopic" ladders. Through the use of motor power, or of a hand crank, these ladders can be made to "grow" in length. With such a ladder, a fireman can reach a window several stories from the ground.

Uncle Ray

(For GENERAL INTEREST section of your scrapbook.)

SCOTT'S SCRAP BOOK By R. J. Scott