(Programs listed in The 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	WMAQ	670
WHA	970	WIBU	1240	WGN	720
WLW	700	WENR	890	WIND	560
WBBM	780	WTMJ	620	WJJD	1160
WCCO	830	KMOX	1120	WLS	890

Tonight's Aces

Discussion

7:30 p. m. — America's Town Meeting (WLS): "Should the Federal Government Provide the Ballot for the Soldier Vote?" Rep. Eugene Worley (Tex.), Rep. Harris Ellsworth (Ore.), and Bruce Bliven, editor of New Republic.

Miscellaneous

9 p. m. — Raymond Clapper (WGN): "Should the Financial Affairs of Unions Be Allowed to Remain a Secret?"

9:30 p. m.—March of Time (WMAQ): three marines, wounded in battle of Tarawa; Seabees' job reported by their chief, Rear Adm. Ben Moreell.

Music

8:30 p. m. — Treasure Hour (WGN): "March of the Toys," "Yours Is My Heart Alone," "Trepak," Brahms' "Cradle Song," **Spotlight Bands** (WENR): Buddy Franklin.

9:30 p. m.—Here's to Romance (WBBM): "Moon Love," "Holiday for Strings," "Jingle Bells."

10:30 p. m.—Music of the New World (WIBA): Christmas music of United States, Dominican republic, Puerto Rico, Cuba, Mexico, Brazil, Chile and Canada.

11:15 p. m.—Design for Listening (WMAQ): Cliff Soubier reads "A Visit from St. Nicholas."

Variety

6:30 p. m.—Bob Burns (WIBA): presents lion cub to Lieut. Comdr. A. P. Coffin, skipper of a torpedo plan squadron.

7 p. m.—Baby Snooks (WIBA): and Daddy in trouble over last-minute tree shopping.

8 p. m.—Music Hall (WIBA): Bing Crosby in "Adeste Fidelis," "Silent Night;" Choral society in carols.

8:30 p. m. — Dinah Shore (WBBM): "O Little Town of Bethlehem"; Cornelia Otis Skinner, Roland Young decorate Christmas tree . . Joan Davis and Jack Haley (WIBA): with Monty Woolley.

9 p. m.—Abbott and Costello (WIBA): with Edward Arnold.

PETER LORRE
WBBM at 7

* * * *

Drama

6:30 p. m.—Hollywood Theater (WTMJ): Roddy McDowall in "Blessed Are They."

7 p. m.—Suspense (WBBM): Peter Lorre in "Back for Christmas."

7:30 p. m.—Human Adventure (WGN): life of Dr. Harvey Cushing . . . **Death Valley Days** (WBBM), man's terror in Christmas day blizzard.

Fridaytime

Special Broadcasts

6:15 a. m.—Pope Pius XIII (WIBA): Christmas message.

2 p. m.—President Roosevelt (WIBA): Christmas message.

Other Programs

8 a. m.— Reading (WHA): "A Christmas Carol."

2:30 p. m.—On the Beam (WBBM): army air forces at Greensboro, N. C., dramatize "Lady from Hell."

3 p. m.—Broadway Matinee (WBBM): guest, Annamary Dickey.

3:30 p. m.—Christmas at Cambridge (WGN): broadcast by American servicemen at Cambridge university, England.

5:30 p. m.—Christmas Carols (WGN): sung by WGN carollers.

WIBA TONIGHT

5:30 News Edition
5:45 Sports Parade
5:55 News Report
6:00 NBC Waring's Victory Tunes
6:15 Dinner Melody
6:30 NBC Bob Burns
7:00 **NBC Baby Snooks**
7:30 NBC The Aldrich Family
8:00 NBC Music Hall
8:30 NBC Joan Davis & Jack Haley
9:00 **NBC Abbot & Costello**
9:30 Labor Speaks
9:45 Melodic Interlude
10:00 Night News Edition
10:15 **BLUE Raymond Gram Swing**
10:30 **NBC Music of the New World**
11:00 NBC News Report
11:05 Masterworks
11:30 **NBC Design for Listening**
11:55 NBC News Report

OTHER STATIONS TONIGHT

5:00 Terry and the Pirates—WENR
5:00 Billie the Brownie—WTMJ
5:00 Prayer, Quizmaster—WIBU
5:15 Jimmy Allen Adventures—WENR
5:15 University Special—WIBU
5:15 Chick Carter—WGN
5:25 A Bond for a Boy—WMAQ
5:30 Christmas Carols—WGN
5:30 Jack Armstrong—WENR
5:45 Capt. Midnight—WENR
5:45 Superman—WIBU WGN
6:00 Fulton Lewis, Jr.—WIBU
6:00 I Love a Mystery—WCCO
6:00 Dr. Preston Bradley—WGN
6:00 Fred Waring Orch.—WTMJ
6:15 Harry James—WBBM WCCO
6:15 Lum and Abner—WIBU
6:30 Out of the Shadows—WLS
6:30 Mr. Keen—WBBM KMOX
6:30 Hollywood Theater—WTMJ
6:30 Supper Interlude—WMAQ
6:45 Confidentially Yours—WIBU
6:45 Discussion Club—WLS
6:45 Guest Star Theater—WGN
6:45 H. V. Kaltenborn—WMAQ
7:00 Suspense—WBBM
7:00 Baby Snooks—WTMJ WMAQ
7:00 Confidentially Yours—WGN
7:15 Lum and Abner—WLS
7:15 Gracie Fields—WGN
7:30 The Human Adventure—WGN
7:30 America's Town Meeting—WLS
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 Gracie Fields—WIBU
8:30 Treasure Hour of Song—WGN
8:30 Spotlight Bands—WENR
8:30 Joan Davis—WMAQ WTMJ
8:30 Dinah Shore—WBBM WCCO
9:00 **Raymond Clapper—WGN**
9:00 Treasury Star Parade—WIBU
9:00 Abbott and Costello—WMAQ
9:00 Raymond Gram Swing—WENR
9:00 The First Line—WBBM WCCO
9:15 Dale Carnegie—WGN
9:30 March of Time—WMAQ WTMJ
9:30 Wings to Victory—WCFL
9:30 Here's to Romance—WBBM
9:30 Swings the Thing—WGN
10:00 Fulton Lewis, Jr.—WGN
10:00 I Love a Mystery—WBBM
10:00 Fred Waring—WMAQ
10:00 The Symphonette—WENR
10:15 War Correspondent—WTMJ
10:15 Brazil Presents—WIBU
10:30 Bob Burns—WMAQ
10:30 Toast to Allies—WENR
10:40 Pop Concert—WENR
10:45 Rumpus Room—WTMJ
10:45 Salute to Victory—WBBM
11:05—The Clevelandaries—WBBM
11:10 Jimmy Joy Orch.—WGN
11:15 Design for Listening—WMAQ
11:15 Lew Diamond Orch.—WENR
11:30 Eddie Oliver Orch.—WENR
11:30 Boyd Raeburn Orch.—WBBM
11:30 Griff Williams Orch.—WGN
12:00 Pot Luck—WMAQ
12:00 Night Watch (to 6)—WIND
12:00 **Music You Want—WENR**
12:05 Don Reid Orch.—WGN
12:05 Jimmy Blade Orch.—WBBM
12:15 George Olsen Orch.—WGN
12:30 Another Dance—WENR
12:30 Nick Brodeur Orch.—WBBM
12:30 Del Courtney's Orch.—WGN

WIBA FRIDAY

MORNING

6:00 Morning Parade
6:15 **NBC Pope Pius Message**
6:30 News Report
6:35 Morning Melody
7:00 NBC World News
7:15 Trading Post
7:30 **State Journal News Edition**
7:50 Musical Clock
8:30 Inquiring Mike
9:45 Shopping Guide
9:00 Treasury Parade
9:15 NBC The Open Door
9:30 Betty Cass
9:45 NBC Tommy Taylor
10:00 NBC Road of Life
10:15 Melodic Interlude
10:30 News
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 Service
12:30 Noon News Edition
12:50 Interlude
1:00 NBC Guiding Light
1:15 NBC Today's Children
1:30 NBC Light of the World
1:45 **Poland vs. Hitler**
2:00 **NBC Pres. Roosevelt**
2:30 Music of the Day
2:45 NBC Right to Happiness
3:00 BLUE Frolics
3:15 NBC Stella Dallas
3:30 NBC Lorenzo Jones
3:45 NBC Young Widder Brown
4:00 Campus Jamboree
4:15 **School and Home**
4:30 Happy the Humbug
4:45 Rhythm Rangers
5:15 Santa Claus
5:30 News Edition
5:40 Boy Scout Carols
5:45 Sports Parade
5:55 News Report

EVENING

6:00 NBC Waring Victory Tunes
6:15 NBC News of the World
6:30 Dinner Melody
6:45 **NBC H. V. Kaltenborn**
7:00 NBC Concert Hour
7:30 NBC All Time Hit Parade
8:00 NBC Waltz Time
8:30 NBC People Are Funny
9:00 **NBC Amos 'n' Andy**
9:30 Trunx Field Calling (DB)
10:00 Night News Edition
10:15 A Christmas Carol
11:15 Grandfather's Christmas Eve
11:30 NBC Three Men
12:00 **St. James Midnight Mass**

WHA FRIDAY

MORNING

7:30 Band Wagon
7:45 Morning News
7:58 WHA Program Review
8:00 **Music You Want: Dickens—"A Christmas Carol"**
8:30 Morning Melodies
9:00 Ruth Andrews, organist
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: How Can I Help, Dr. L. R. Cole: "It Was Christmas"**
10:30 Musical Moments
10:45 French Program
11:00 **Russia Today: Ser Bernard Pares**
11:30 Noon Musicale
12:20 Noon News
12:30 Farm Program: The 1943 Crop Summary, Walter H. Ebling; Farm Question Box, Rupert Rasmussen
1:00 Chapter a Day: "The Running Tide", Aleksandra
1:30 Organ Melodies
2:00 Short Story Time
2:30 Music of the Masters: McDonald—"Suite From Childhood"
3:30 It Is Later Than You Think: "The Forgotten Ally"—Pierre van Passen
4:00 Alpine Melodies
4:30 Treasury Star Parade
4:45 Adventure Stories: "Mowgli Stories"—Kipling
4:55 Afternoon News
5:00 **Masterworks of Music: Handel—"Messiah"**

OTHER STATIONS FRIDAY

NEWS BROADCASTS

TONIGHT

5:00 WMAQ WGN
5:00 WIND
5:00 WCCO WBBM
5:15 WMAQ
5:30 KMOX
5:30 WBBM WCCO
5:30 WIBA WTMJ
5:45 WMAQ
5:45 WBBM
5:55 WBEM WIBA
6:00 WBBM WIBU
6:00 WLS WIND
6:05 WBBM
6:15 WMAQ WTMJ
6:30 WIND WCFL
6:30 WIBU WGN
6:45 WMAQ
7:00 WIND WLS
7:25 WIBU
7:30 WIND
7:55 WBBM KMOX
8:00 WIBU WGN
8:15 WGN
8:30 WCFL
8:45 WIND
9:00 WGN WENR
9:15 WGN
9:45 WENR
10:00 WIND WCFL
10:00 WGN WIBU
10:30 WGN WBBM
10:45 WENR WGN
11:00 WTMJ KMOX
11:00 WIBA WBBM
11:00 WIBU WIND
11:00 WGN WENR
11:00 WCCO WMAQ
11:55 WMAQ
11:55 WIBA WENR
12:00 WBBM WGN
12:55 WMAQ WENR
1:00 WGN WIND
2:00 WIND (also 3, 4, and 5)

FRIDAY

5:30 WMAQ WIND
6:00 WMAQ WIND
6:05 WTMJ
6:30 WIBA
6:30 KMOX WTMJ
6:45 WLS
6:55 WMAQ
6:55 WBBM
7:00 WBBM
7:00 KMOX
7:00 WIBA WLS
7:00 WTMJ WIND
7:15 WGN
7:15 WCCO WBBM
7:30 WIBA WTMJ
7:45 WHA
7:55 WMAQ WTMJ
8:00 WIND KMOX
8:00 WGN WBBM
8:15 WLS WMAQ
8:25 WTMJ
8:30 WIND WCCO
8:40 WMAQ
8:45 WIND
8:55 KMOX
9:00 WIND WGN
9:15 WHA WCFL
9:30 WLS WIND
9:40 WGN
9:50 WHA
10:00 WIND WIBU
10:30 WLS WIBA
10:45 WLS
11:00 WIND WGN
11:00 WIBU WJJD
11:30 WMAQ WGN
P. M.
12:00 WIBA WJJD
12:00 WGN
12:00 WCFL WIND
12:15 WIBU
12:20 WHA
12:30 WBBM
12:30 WMAQ WLS
12:30 WGN WIBA
12:45 WCFL
12:55 WTMJ
1:00 WIND WCFL
1:30 WLS
1:30 WJJD WIBU
3:55 WENR
4:00 WGN
4:00 WIBU WIND
4:25 WENR
4:40 WBBM
4:55 WHA
5:00 WIND
5:00 WMAQ WGN
5:00 WBBM
5:00 KMOX
5:15 WMAQ
5:30 WIBU
5:30 WBBM
5:45 WBBM
5:45 WMAQ
5:55 WIBA
5:55 WBBM
5:55 KMOX
6:00 WBBM WIBU
6:00 WLS WIND
6:05 WBBM
6:15 WIBA
6:15 WMAQ WTMJ
6:30 WIND WCFL
6:30 WIBU WGN
6:45 WIBA WMAQ
7:00 WGN
7:30 WIND
7:45 WCFL
7:55 WBBM
8:00 WIBU WCFL
8:00 WIND WGN
8:15 WGN
8:45 WIND
9:00 WIBU
9:00 WENR WIND
9:45 WENR
10:00 WTMJ WGN
10:00 WIND WCFL
10:00 WIBA WIBU
10:15 KMOX
10:15 WMAQ
10:30 WIBU
10:30 WGN WBBM
10:45 WENR WGN
10:55 WGN
11:00 WMAQ
11:00 WTMJ
11:00 WIND WIBU

—MORNING—

6:00 Farm News—WLS
6:00 Top o' the Morning—WTMJ
6:15 Pope Pius XII—WMAQ
6:15 Morning Devotions—WLS
6:30 Everett Mitchell—WMAQ
6:30 Back to the Bible—WIND
7:00 Pats Gallicchio—WMAQ
7:01 Farm Service—WIBU
7:45 Mountain Theater—WLS
8:00 Musical Clock—WIBU
8:00 Your Neighbor—WMAQ
8:15 Know the Answer?—WBBM
8:30 **Breakfast Club—WLS**
9:00 Lora Lawton—WMAQ WTMJ
9:00 Valiant Lady—WBBM WCCO
9:00 Songs of a Dreamer—WLS
9:15 Open Door—WTMJ WMAQ
9:15 Kitty Foyle—WBBM WCCO
9:30 Helpmate—WMAQ WTMJ
9:45 Bachelor's Children—WBBM
9:45 Star Playhouse—WMAQ
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 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 Boake Carter—WGN WIBU
11:15 Judy and Jane—WGN
11:15 Linda's First Love—WMAQ
11:15 Today's Children—WTMJ
11:15 Big Sister—WBBM WCCO KMOX
11:30 Romance of Helen Trent—WBBM
11:30 Light of the World—WTMJ
11:45 Reveille Roundup—WMAQ
11:45 Big Sister—WTMJ
11:45 Our Gal Sunday—WBBM WCCO

—AFTERNOON—

12:00 Elizabeth Hart—WMAQ
12:00 Dinnerbell Time—WLS
12:00 Heinie—WTMJ
12:00 Life Can Be Beautiful—WBBM
12:15 Ma Perkins—WBBM WCCO
12:30 Loop Noonday Service—WJJD
12:30 Bernadine Flynn—WBBM
12:45 Ranch House Jim—WMAQ
12:45 The Goldbergs—WBBM WCCO
1:00 Farm Service—WIBU
1:00 Guiding Light—WMAQ
1:00 Life Can Be Beautiful—WTMJ
1:00 Young Dr. Malone-WBBM WCCO
1:15 Today's Children—WMAQ
1:15 Christmas Feature—WLS
1:30 Bond Wagon—WGN
1:15 Joyce Jordan—WCCO WBBM
1:30 Light of the World—WMAQ
1:30 Aunt Jenny—WTMJ
1:30 We Love and Learn—WBBM
1:45 Eddie and Fannie—WLS
1:45 Perry Mason—WBBM
1:45 Melodies of Home—WMAQ
2:00 President Wilson—WLS WMAQ
2:00 Mary Marlin—WBBM
2:00 A Woman of America—WMAQ
2:15 Ma Perkins—WMAQ WTMJ
2:30 Pres. Roosevelt—WLS WMAQ
2:30 Morton Downey—WLS
2:30 On the Beam—WBBM
2:30 Pepper Young—WMAQ WTMJ
2:45 Right to Happiness—WMAQ
3:00 Gospel Hour—WIBU
3:00 Broadway Matinee—WBBM
3:00 **Blue Frolics—WENR**
3:00 Backstage Wife—WMAQ WTMJ
3:15 Stella Dallas—WMAQ WTMJ
3:30 Christmas at Cambridge—WGN
3:30 Lorenzo Jones—WMAQ WTMJ
3:45 Widder Brown—WMAQ WTMJ
4:00 Mystery Chef—WENR
4:00 When a Girl Marries—WMAQ
4:15 Russian War Relief—WIBU
4:15 Portia Faces Life—WMAQ
4:30 Malcolm Claire—WENR
4:30 Just Plain Bill—WMAQ WTMJ
4:45 Front Page Farrell—WMAQ
4:45 American Women—WBBM
4:45 Dick Tracy—WENR
4:45 Parade of Bands—WIBU
4:30 Chick Carter—WIBU

—EVENING—

5:00 Terry and The Pirates—WENR
5:00 Prayer, Quizmaster—WIBU
5:00 Billie the Brownie—WTMJ
5:15 Chick Carter—WGN
5:15 Lyn Murray Orch.—WBBM
5:15 University Special—WIBU
5:15 Jimmy Allen's Adventure—WENR
5:30 Christmas Carols—WGN
5:30 Jack Armstrong—WENR
5:45 Captain Midnight—WENR
5:45 Superman—WGN WIBU
6:00 Fred Waring—WTMJ
6:00 Dr. Preston Bradley—WGN
6:00 Fulton Lewis, Jr.—WIBU
6:00 I Love a Mystery—WCCO
6:15 Dateline—WBBM WCCO
6:15 Lum and Abner—WIBU
6:30 Supper Interlude—WMAQ
6:30 Lone Ranger—WLS
6:30 Friday on Broadway—WBBM
6:45 Lion's Roar—WGN
6:45 Navy Music School—WIBU
6:45 H. V. Kaltenborn—WMAQ
7:00 Kate Smith Hour—WBBM
7:00 **Concert Hour—WMAQ WTMJ**
7:15 Gracie Fields—WGN
7:15 Parker Family—WLS
7:30 Carnegie Hall—WMAQ WTMJ
7:30 **Meet Your Navy—WLS**
8:00 **Waltz Time—WTMJ WMAQ**
8:00 Gabriel Heatter—WIBU WGN
8:00 Playhouse—WBBM WCCO KMOX
8:00 Gang Busters—WENR
8:15 Gracie Fields—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
9:00 Durante and Moore—WBBM
9:00 Amos 'n' Andy—WTMJ WMAQ
9:00 John Gunther—WENR
9:15 Arch Ward Sports—WGN
9:30 Lone Ranger—WCFL
9:30 Bill Stern—WMAQ
9:30 Stage Door Canteen—WBBM
9:45 Sen. Scott Lucas—WMAQ
9:45 Nightcap Yarns—WGN
9:45 Sen. Albert W. Hawkes—WMAQ
10:00 Symphonette—WENR
10:00 Fulton Lewis, Jr.—WGN
10:00 I Love a Mystery—WBBM
10:00 Fred Waring Orch.—WMAQ
10:15 So the Story Goes—WBBM
10:30 The Vagabonds—WMAQ
10:30 Toast to Allies—WENR
10:35 Pop Concert—WENR
10:45 Guest Star Theater—WMAQ
10:45 Rumpus Room—WTMJ
10:45 Serenade in Swing—WBBM
11:00 Midnight Mass—WGN
11:00 Christmas Carols—WBBM
11:05 Candlelight Service—WTMJ
11:15 Lew Diamond Orch.—WENR
11:15 Words at War—WMAQ
11:30 Eddie Oliver Orch.—WENR
11:30 Three Men—WCFL
11:45 Nelson Olmsted—WMAQ
12:00 Midnight Mass—WTMJ
12:00 Music You Want—WENR
12:00 Nite Watch (to 6)—WIND
12:00 Emile Petti Orch.—WMAQ
12:05 George Olsen Orch.—WGN
12:05 Ray Pearl Orch.—WBBM
12:30 Johnny Long Orch.—WENR
12:30 Boyd Raeburn Orch.—WBBM
12:30 Pot Luck—WMAQ
12:45 Del Courtney Orch.—WGN

MARKETS

FRIDAY

A. M.		P. M.	
6:25	KMOX	12:00	WIBU
11:30	WLS	12:10	WIBU
11:45	WLS	12:15	WIBA
		12:35	WIBU
		12:45	WGN
		12:50	WLS
		1:10	WLS

SPORTS REVIEWS

TONIGHT

5:15 WIND
5:45 WIBA WTMJ
6:00 KMOX
9:00 WIND

FRIDAY

P. M.			
2:15	WIND	5:45	WIBA WTMJ
3:15	WIND	6:00	KMOX
4:15	WIND	9:30	WTMJ WMAQ
5:15	WIND	9:15	WGN

1:45 WGN WCCO
1:55 WTMJ
2:00 WIND WIBU
2:45 WLS
3:00 WGN
3:00 WIBU WIND
3:30 WBBM WCFL
11:55 WCFL
11:55 WENR
12:00 WBBM
12:00 WGN WBBM
12:55 WMAQ WENR
1:00 WGN WIND
2:00 WIND (also 3, 4, 5)

Sawmilling in South Africa has grown substantially since the war started and state-owned and private mills are turning out millions of feet of lumber annually.

Tonight WBBM 7:00

"SUSPENSE"

Starring—

PETER LORRE

PRESENTED BY

ROMA WINES

ROMA WINE COMPANY, FRESNO, CALIF.—CALIFORNIA WINES

MEMORIES OF AN OLD FAVORITE

Arrow BLACKBERRY FLAVORED BRANDY

70 PROOF

. . . Full . . . Smooth Fruity Flavor . . .

ARROW DISTILLERIES, INC. DETROIT, MICH.

Uncle Ray's Corner

LIGHT PERIODS CHANGE RATE OF PLANT GROWTH

IN THESE short days, it may be well to turn our minds again to the importance of light. Even if we could live without the light of day, this earth of ours would be a poor place. That is why I am sorry, at times, for coal miners who spend their daylight hours underground, then come forth at or near the moment of sunset, with only twilight and night ahead of them.

Of course those miners have electric lights, both inside and outside of the mines, but such light is not as pleasant as bright sunshine.

Most plants could not grow well without a good amount of light. The sun shines on their leaves, and this helps them make the food they need for living.

If the whole year had short days, like those of the present month, many plants would grow with the coming of warm weather, but they would not grow so well. This has been proved in actual tests. Plants in boxes have been moved in and out of dark sheds during summer months. The plants kept outdoors the greatest number of hours of each day grew tallest and came to flower most quickly.

Several groups of yellow cosmos were placed where they could have electric light but no daylight. One group was given 12 hours of electric light and 12 hours of darkness. Another group was given an hour of light, an hour of darkness, an hour of light, and so on.

A third group was given 15 minutes of light, and 15 minutes of darkness, over and over again. Other groups were put through shorter periods of light and darkness, down to five seconds.

The plants with 12-hour periods grew best of all. Those with only one minute of changing light and darkness grew the least. Yet the plants with a light-and-dark period of only five seconds grew better than any others except those in the 12-hour light-and-dark group.

What would happen if plants were given an average of well over 12 hours of light in each 24-hour day? An answer to this question has come through tests with the aster plants known as "Heart of France." The use of electric light at night, in addition to daylight, has made the plants grow faster and come to flower more quickly.

(For GENERAL INTEREST section of your scrapbook.)

Uncle Ray

Tomorrow: Notes on Christmas.

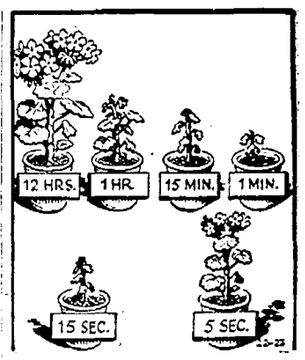
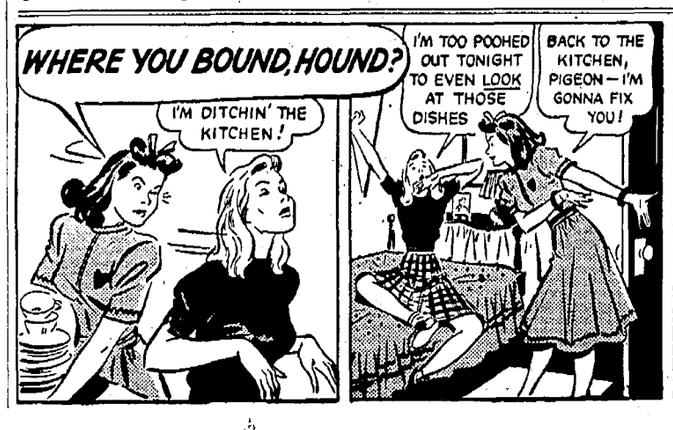


Diagram showing difference in growth of plants given long and short changes of light and darkness.



JANET BLAIR SAYS:

IT'S BEST BY TEST!

Young and lovely Janet Blair tasted the best known colas without knowing which was which. Royal Crown Cola was her choice! From coast to coast in 5 out of 6 group taste-tests, Royal Crown Cola is voted best-tasting. Try it yourself!

ROYAL CROWN COLA

Best by Taste-Test!

NEHI BOTTLING CO.
2600 University Ave. G. 2600