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

Networks to Devote Night to Elections

All regular Tuesday night radio programs, with the exception of some news broadcasts, have been cancelled to permit complete coverage of the election by radio stations. Many of the network stars will be heard at intervals throughout the evening.

Through its affiliation with the National Broadcasting Co., WIBA will provide a continuous report on all local, state and national results.

The schedule, beginning at 7 p. m., is as follows:

7 to 7:30 — Bulletin commentary by Richard Harkness; and reports by Morgan Beatty from Republican and Democratic national headquarters.

7:30 to 8—first reading of entries on the NBC election chart, Harkness with a background story of the 1944 campaign, and analysis of early returns by H. V. Kaltenborn.

8 to 8:30 — Results from all over the country by direct pickup.

8:30 to 9—Reading of latest returns; commentary by Harkness, Waltenborn, Beatty, James Stevenson, and John W. Vandercook.

9 to 9:30—Latest returns by Ben Grauer and Stevenson, summary of presidential race by Kaltenborn, congress and governor races by Beatty, and Lowell Thomas from Democratic headquarters.

9:30 to 10 — Reports by Beatty, Harkness, Kaltenborn, Stevenson, and Grauer.

10 to 10:30 — Don Hollenbeck with latest bulletins and war news summary, Harkness with latest returns on presidential race, Beatty with summary on congressional and gubernatorial contests.

10:30 to Closing—Reading of returns until presidential contest is decided, with commentators Grauer, Kaltenborn, Harkness, Beatty, Vandercook, Stevenson, Hollenbeck, Goddard, and Searchinger.

At 25 minutes past each hour, and five minutes before the close of each hour, Station WIBA will provide the latest returns on Madison, county and state voting.

OTHER STATIONS WEDNESDAY

—MORNING—

6:00 Farm Service—WLS
6:00 Top o' The Morning—WTMJ
6:15 Everett Mitchell—WMAQ
6:30 Back to the Bible—WIND
7:00 Morning Devotions—WLS
7:00 Pats Gallicchio—WMAQ
7:01 Farm Service—WIBU
7:30 Farmer's Friend—WIBU
8:00 Your Neighbor—WMAQ
8:00 Musical Clock—WIBU
8:30 Breakfast Club—WLS
9:00 Wisconsin Weather—WIBU
9:00 My True Story—WLS
9:00 Haven of Rest—WJJD
9:00 Lora Lawton—WMAQ WTMJ
9:00 Valiant Lady—WBBM WCCO
9:05 Hebrew Christian Hour—WIBU
9:15 Light of the World—WBBM
9:30 This Changing World—WBBM
9:35 Shady Valley Folk—WIBU
9:45 Finders Keepers—WMAQ
9:45 Listening Post—WLS
9:45 Bachelor's Children—WBBM
10:00 Amanda—WBBM WCCO
10:00 Road of Life—WMAQ WTMJ
10:00 Breakfast at Sardi's—WLS
10:15 Rosemary—WMAQ WTMJ
10:15 Second Husband—WBBM WCCO
10:30 Star Playhouse—WMAQ
10:30 Bright Horizon—WBBM WCCO
10:45 What's Your Idea?—WIBU WGN
10:45 David Harum—WMAQ WTMJ
10:45 Aunt Jenny's Stories—WBBM
10:55 Lanny and Ginger—WIBU
11:00 Boake Carter—WIBU WGN
11:00 The Editor's Daughter—WMAQ
11:00 Kate Smith Speaks—WBBM
11:00 Guiding Light—WTMJ
11:00 Martha and Helen—WLS
11:15 Linda's First Love—WMAQ
11:15 Big Sister—WBBM WCCO KMOX
11:15 Rhymster Time—WGN
11:15 Today's Children—WTMJ
11:30 Farm and Home Hour—WIBU
11:30 Women in White—WTMJ
11:30 Helen Trent—WBBM WCCO
11:45 Reveille Roundup—WMAQ
11:45 Our Gal Sunday—WBBM WCCO
11:45 Farm Front—WIBU

—AFTERNOON—

12:00 Elizabeth Hart Presents—WMAQ
12:00 Life Can Be Beautiful—WBBM
12:00 Dinnerbell Time—WLS
12:00 The Grenadiers—WTMJ
12:00 Farm Hour—WIBU
12:15 Ma Perkins—WCCO WBBM
12:30 Luncheon with Lopez—WGN
12:30 Bernadine Flynn—WBBM
12:30 Loop Noonday Service—WJJD
12:45 The Goldbergs—WBBM WCCO
12:45 American Woman's Jury—WGN
1:00 Joyce Jordan—WCCO WBBM
1:00 Farm Service—WIBU
1:00 Life Can Be Beautiful—WTMJ
1:00 Guiding Light—WMAQ
1:15 Two on a Clue—WBBM
1:15 Gi Hays—WIBU
1:15 School Time—WLS
1:15 Jane Cowl—WGN
1:15 Today's Children—WMAQ
1:15 The Goldbergs—WTMJ
1:30 Glamor Manor—WLS
1:30 Woman in White—WMAQ
1:30 Aunt Jenny—WTMJ
1:30 Young Dr Malone—WBBM
1:45 Real Stories—WIBU
1:45 Hymns of All Churches—WMAQ
1:45 Perry Mason—WBBM KMOX
2:00 Mary Marlin—WBBM WCCO
2:00 Morton Downey—WLS
2:00 Woman of America—WMAQ
2:15 Tena and Tim—WBBM WCCO
2:15 Hollywood Star Time—WLS
2:15 Ma Perkins—WMAQ WTMJ
2:30 American School of the Air—WBBM
2:30 Ida Bailey Allen—WGN
2:30 Pepper Young—WMAQ WTMJ
2:45 Right to Happiness—WMAQ
2:45 Civilian Defense—WIBU
3:00 Backstage Wife—WMAQ WTMJ
3:00 Walter Compton—WIBU
3:15 Stella Dallas—WMAQ WTMJ
3:15 Jack Berch—WENR
3:15 Consumers' Column—WIBU
3:30 Lorenzo Jones—WMAQ WTMJ
3:30 Judy and Jane—WGN
3:45 Widder Brown—WTMJ WMAQ
4:00 Musical Matinee—WENR
4:00 When A Girl Marries—WMAQ
4:00 East Side Serenade—WIBU
4:15 Cinnamon Bear—WGN
4:15 Portia Faces Life—WMAQ
4:30 Malcolm Claire—WENR
4:30 Michael Scott—WBBM
4:30 Parade of Bands—WIBU
4:30 Just Plain Bill—WMAQ WTMJ
4:45 Hop Harrigan—WENR
4:45 Do You Remember—WBBM
4:45 Front Page Farrell—WMAQ
4:45 Parade of Bands—WIBU

—EVENING—

5:00 Terry and the Pirates—WENR
5:15 Dick Tracy—WENR
5:15 Lyn Murray Orch.—WBBM
5:15 University Special—WIBU
5:15 Jimmy Allen—WGN
5:30 Fiesta—WIBU
5:30 Superman—WGN
5:30 Jack Armstrong —WENR
5:45 Tom Mix—WIBU WGN
5:45 Capt. Midnight—WENR
6:00 I Love a Mystery—WCCO
6:00 Fulton Lewis, Jr.—WIBU
6:00 Music Shop—WTMJ
6:00 Jim Blade Music—WMAQ
6:05 Dinning Sisters—WBBM
6:15 Music That Satisfies—WBBM
6:30 Supper Interlude—WMAQ
6:30 Easy Aces—WBBM KMOX
6:30 Lone Ranger—WLS
6:45 H. V Kaltenborn—WMAQ
7:00 Jack Carson—WBBM WCCO
7:00 Mr. & Mrs North—WMAQ WTMJ
7:15 Your Reporter—WIBU
7:15 Sunny Skylar—WGN
7:15 Lum and Abner—WLS
7:30 Victory Jamboree—WIBU
7:30 Dr. Christian—WBBM WCCO
7:30 My Best Girls—WLS
7:30 Stop That Villain—WGN
7:30 Carton of Cheer—WMAQ
8:00 Frank Sinatra—WBBM WCCO
8:00 Gabriel Heatter—WGN WIBU
8:00 Dunninger—WENR
8:15 Screen Test—WGN
8:30 Spotlight Bands—WENR
8:30 Mr. District Attorney — WMAQ WTMJ
8:30 Cisco Kid—WGN WIBU
8:30 Which Is Which—WBBM
8:55 Storyteller—WENR
9:00 Great Moments in Music—WBBM
9:00 Democrats—WIBU
9:00 Sumner Welles—WGN
9:00 Kay Kyser—WTMJ WMAQ
9:15 Paul Schubert—WIBU
9:30 Rudy Vallee—WMAQ
9:30 Nelson Eddy—WBBM WCCO
9:30 Northerners—WGN
9:30 Scramby Amby—WENR
10:00 Answer Man—WGN
10:00 I Love a Mystery—WBBM
10:00 Music Shop—WMAQ
10:15 So the Story Goes—WBBM
10:30 Harry James—WIBU
10:30 Just for Fun—WMAQ
10:45 Carmen Cavallero—WGN
10:45 Rumpus Room—WTMJ
11:05 Petrillo and Janette—WBBM
11:15 Benny Strong—WGN
11:15 Lew Diamond Orch.—WENR
11:30 Design for Dancing—WMAQ
11:30 Harmony Hall—WGN
11:30 Emil Vanda Orch.—WENR
11:30 Glen Gray Orch.—WBBM
11:45 Les Crosley Orch.—WBBM
12:00 Nite Watch (to 6)—WIND
12:05 Chuck Fosler Orch.—WGN
12:05 Bill Barto Orch.—WBBM
12:05 Promenade Concert—WMAQ
12:15 Don Norman Show—WENR
12:30 Gene Krupa—WBBM
1:00 News and Music—WBBM

NEWS BROADCASTS

TONIGHT

5:00 KMOX WBBM 8:00 WGN WCFL
5:00 WMAQ WGN 9:00 WENR
5:00 WIBU 10:00 WENR
5:05 WMAQ 10:00 WGN WIBU
5:15 WBBM WCCO 10:00 WCCO WCFL
5:30 WIBA WBBM 10:00 WIBA WTMJ
5:30 WTMJ WCCO 10:15 KMOX WCCO
5:45 WBBM WMAQ 10:15 WMAQ WIBA
5:55 WBBM 10:30 WBBM WENR
6:00 WBBM WIBU 10:30 WGN
6:15 WTMJ WMAQ 11:00 WENR WGN
6:30 WIBU WGN 11:00 WBBM WTMJ
6:45 WMAQ 11:00 WCCO WIND
7:00 WIND WLS 11:30 WIND
7:20 WIBU 12:00 WGN WBBM
7:30 WIND WCFL 1:00 WGN WBBM
7:55 KMOX WBBM 1:00 WIND (Also 2, 3, 4, 5)

WEDNESDAY

A. M.
6:30 WMAQ WIND 2:30 WIBA
6:00 WIND WMAQ 2:45 WLS
6:05 WTMJ 3:00 WBBM
6:30 WIBA WTMJ 3:00 WGN WIBU
6:45 WGN WLS 3:15 WBBM
6:45 WMAQ 3:30 WENR
6:55 WBBM 4:00 WJJD WIND
7:00 WIBA 4:00 WGN
7:00 WIND KMOX 4:15 WENR
7:00 WCFL WCCO 4:45 WHA
7:00 WBBM WTMJ 5:00 WIBU
7:15 WGN WBBM 5:00 WCCO WBBM
7:30 WIBA WTMJ 5:00 WGN WMAQ
7:45 WCFL WHA 5:05 WMAQ
7:55 WMAQ WTMJ 5:30 WCCO WBBM
8:00 WJJD WIND 5:30 WTMJ WIBA
8:00 WBBM WGN 5:45 WMAQ WBBM
8:15 WLS 5:55 WBBM
8:25 WTMJ 6:00 WBBM
8:30 WIBU 6:00 WLS WIND
8:30 WMAQ WIND 6:15 WIBA
8:35 WMAQ 6:15 WMAQ WTMJ
8:45 WIND WBBM 6:30 WIBU WGN
9:00 WGN 6:45 WIBA WMAQ
9:15 WHA WCFL 7:00 WLS
9:15 WTMJ WMAQ 7:00 WGN WIND
9:30 WLS WIND 7:20 WIBU
9:40 WGN 7:30 WIND WCFL
10:00 WIBU WCFL 7:55 KMOX WBBM
10:00 WIND WJJD 8:00 WGN WIND
10:30 WIBA 8:00 WIBU WCFL
10:30 WLS WIBU 8:30 WCFL
10:45 WLS 9:00 WENR
11:00 WIBU 9:00 WCFL WIND
11:00 WIND WGN 9:15 WENR
11:00 WJJD WCFL 10:00 WTMJ WIBA
11:15 WIBU 10:00 WIBU WENR
11:30 WMAQ WGN 10:15 WMAQ WIBA
11:45 WTMJ 10:30 WGN WENR
P. M. 10:30 WBBM
12:00 WCFL WIND 11:00 WGN
12:00 WIBA WJJD 11:00 WENR WBBM
12:15 WIBU 11:00 WMAQ
12:20 WHA 11:00 WIND WCCO
12:30 WMAQ 11:00 WTMJ KMOX
12:30 WIBA WBBM 11:30 WIND
12:30 WCCO WLS 11:55 WTMJ WIBA
12:45 WMAQ 12:00 WENR
12:55 WTMJ 12:00 WGN WBBM
1:00 WGN WIND 12:00 WIND WMAQ
1:45 WGN 12:55 WENR WMAQ
1:55 WTMJ 1:00 WBBM WGN
2:00 WCFL 1:00 WIND (Also 2, 3, 4, 5)

SPORTS REVIEWS

TONIGHT

6:45 WIBA WTMJ 6:25 WCFL
6:00 KMOX 9:00 WIND

WEDNESDAY

P. M. 6:25 WCFL
6:45 WTMJ WIBA 9:00 WIND
6:00 KMOX 11:15 WMAQ

MARKETS

WEDNESDAY

A. M. P. M.
6:25 KMOX 12:00 WIBU
11:30 WLS 12:10 WIBU
11:45 WLS 12:15 WIBA
12:40 WIBU
12:50 WLS
1:10 WLS

WIBA TONIGHT

5:00 The WIBA Rangers
5:30 News Edition
5:45 Meet the Team
6:00 NBC Music Shop
6:15 Dinner Melody
6:30 NBC Election Preview
6:45 Election Reports and NBC Stars
10:00 Night News Edition
10:15 Election Reports Until Definite Results are Known

OTHER STATIONS TONIGHT

5:15 Jimmy Allen—WGN
5:15 Dick Tracy—WENR
5:15 University Special—WIBU
5:15 Edwin C Hill—WBBM WCCO
5:30 Fiesta—WIBU
5:30 Superman—WGN
5:30 Jack Armstrong—WENR
5:45 Tom Mix—WGN WIBU
5:45 Capt. Midnight—WENR
6:00 Election Returns—WLS WCFL
6:00 I Love a Mystery—WCCO
6:00 Fulton Lewis, Jr.—WIBU
6:00 Music Shop—WTMJ
6:00 Dr. Preston Bradley—WGN
6:00 Jim Blade Music—WMAQ
6:05 Dinning Sisters—WBBM
6:15 —Music That Satisfies—WBBM
6:15 Lum and Abner—WIBU
6:30 Those Who Serve—WTMJ
6:30 American Melody Hour—WBBM
6:45 H V. Kaltenborn—WMAQ
7:00-10:00 Election Returns — WTMJ WMAQ
7:00 Confidentially Yours — WGN WIBU
7:00 Big Town—WBBM WCCO
7:15 Your Reporter—WIBU
7:30 Theater of Romance—WBBM
7:30 Victory Jamboree—WIBU
8:00 Gabriel Heatter—WGN WIBU
8:15 Screen Test—WGN
8:30 Congress Speaks—WBBM WCCO
9:30 Crime Files of Flamond—WGN
10:00 Music Shop—WMAQ
10:00 I Love a Mystery—WBBM
10:15 to 11—Election Returns—WTMJ
10:15 Del Courtney Orch.—WIBU
10:15 King's Jesters and Janette—WBBM
10:30 to 1:00—Election Returns—WMAQ
10:30 Sinfonietta—WIBU
10:45 Salute to Victory—WBBM
11:05 Election Returns—WTMJ
11:10 Jimmy Hilliard Orch.—WBBM
11:15 Don Reid Orch.—WGN
11:30 Election Returns—WENR WCFL (until 2 a. m.)
11:30 Art Kassel Orch.—WGN
12:00 Nite Watch (to 5:30)—WIND
12:05 Bill Barto Orch.—WBBM
12:05 Benny Strong Orch—WGN
12:30 Donny Kaye Orch.—WBBM
1:00 News and Music—WBBM

WIBA WEDNESDAY

MORNING

6:00 Morning Parade
6:30 News Report
6:35 Morning Variety
7:00 NBC World News Roundup
7:15 Musical Clock
7:30 State Journal News Edition
7:50 Musical Clock
8:30 Contests
8:35 Interlude
8:45 Shopping Guide
9:00 The Trading Post
9:15 NBC Reveille Roundup
9:30 NBC Finders Keepers
9:45 Ration Board Program
10:00 NBC Road of Life
10:15 Home Front Quartermaster
10:30 News
10:40 Interlude
10:45 NBC David Harum
11:00 Linda's First Love
11:15 Mary Foster
11:30 The 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 Women in White
1:45 Matinee
2:00 NBC A Woman of America
2:15 NBC Ma Perkins
2:30 News Edition
2:35 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 Interlude
4:15 Music for School and Home
4:30 The Campus Jamboree
5:00 The WIBA Rangers
5:30 News Edition
5:45 Meet the Team

EVENING

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 Carton of Cheer
7:30 NBC The Eddie Cantor Show
8:30 NBC Mr. District Attorney
9:00 NBC Kay Kyser College
10:00 Night News Edition
10:15 BLUE Raymond Gram Swing
10:30 NBC Arthur Hopkins Presents
11:30 NBC Design for Dancing
11:55 NBC News Report

WHA WEDNESDAY

7:30 Band Wagon
7:45 Morning News
7:55 WHA Program Review
8:00 Music You Want
8:30 Morning Melodies
9:15 News and Views
9:30 Young Experimenters: "Changes in Things"
9:50 Piano Interlude
9:57 Weather Report
10:00 Homemakers' Program: A Bargain in Nutrition—Milk, Mrs. M. R. Irwin; "Doctors Say", Mrs. R. B. Gordon
10:30 Letters from Fighting Badgers
10:45 March Time
11:00 Social History of U. S. — Prof. Merle Curti
11:50 Noon Musicale
12:20 Noon News
12:30 Farm Program: Rural School War Recognition Service, E. R. McIntyre, School Representative
1:00 Chapter a Day: "Don't Look Behind You"—Samuel Rogers
1:30 Journeys in Music Land
2:00 Our Children
2:30 Music of the Masters: Taylor—Through the Looking Glass Suite
3:30 Truax Field Calling
4:00 Excursions in Science
4:15 American Mercury Theater
4:30 Adventure Stories: "Silver Chief" —O'Brien
4:45 Afternoon News
5:00 Masterworks of Music
5:29 Sign Off

Safeway Stores Denied Review

WASHINGTON — (U.P.) — The supreme court Monday denied the petition of Safeway Stores, Inc., the nation's second largest grocery chain, for a review of a 10th circuit court of appeals decision reinstating an anti-trust indictment against the food stores.

Safeway, which operates 2,850 retail stores located in a majority of the 48 states, appealed on the grounds that the indictment, based on anti-trust charges filed by the federal government, was "vague and indefinite." The indictment was dismissed by the Kansas federal district court but this ruling was reversed by the circuit court.

The federal government charged that Safeway had violated the Serman Anti-trust act by conspiring to destroy competition by independent grocers and to fix and maintain retail food prices.

Newly Named Quads Doing Fine on 6th Day

PHILADELPHIA —(U.P.)— The Cirminello quads, Maureen, Eileen, Kathleen—newly named—and Michael, were doing fine today, their sixth day of life.

Michael, the only boy of the quadruplets, was reported "decidedly improved" and now breathing almost normally after suffering respiratory difficulties.

The mother, Mrs. Joseph Cirminello, of Upper Darby, Pa., was progressing normally.

Becker, Films Planned for Moose Meeting

Pictures of the California wine country will be shown and Ald. Stuart H. Becker will speak at an open meeting of Madison Lodge of Loyal Order of Moose at Moose hall Wednesday at 8 p. m. Refreshments and lunch will be served after the meeting. Michael M. Sacks, Moose publicity director, announced that the open meeting policy has been adopted to bring together members and their wives and friends for an evening of entertainment.

Junior Red Cross Starts Drive

The Dane county Junior Red Cross is conducting a drive to enroll all the schools of the county in the "in school" Red Cross activities program for the current school year, Mrs. Gertrude Anderson, Madison, Junior Red Cross chairman, announced today.

The drive, which will last through Nov. 15, is similar to the one conducted last year in which every elementary, public, and parochial school, and 18 high schools in Dane county were enrolled. As a result of that program, 25,000 comfort and recreational articles were produced for hospitalized servicemen; hundreds of holiday and recreational articles were sent to various children's hospitals; 600 gift boxes were packed, and $700 was raised for the National Children's fund.

The Junior Red Cross council publicity committee, headed by Evelyn Hamilton, Edgewood, will encourage the enrolment of all schools through window displays; a radio skit, and articles for publication in the school press.

Assisting Miss Hamilton in publicity are Esther Lipsen, Middleton high school; Betty Timm, Ruth Daniels, and Catherine Wengsness, DeForest high school; Mary Rusy, Blessed Sacrament; Sue Schneiders, Central; Lois Gannon, Edgewood; Eileen Freund, East; Jan Nodler, Wisconsin high; Jan Trainer, Washington school, and Gladys Barth and Stanley Klein, Nichols school. Ruth Mary Noland, Wisconsin high school, is president of the Junior Red Cross council.

Injuries Cost Workers 58,800,000 Days in 1943

WASHINGTON —(U.P.)— American war industries lost 58,800,000 man-days during 1943 because of disabling injuries to war workers, the Office of War Information (OWI) reported Monday.

OWI disclosed that the tank industry showed the lowest work loss per worker in 1943 while the logging industry reported 29 days lost for each worker.

Two Madison Bankers Put on AMA Committees

Two Madison bankers have been honored by being appointed to important committees of the American Bankers' assn., Pres. V. Randloph Burgess, New York, announced today.

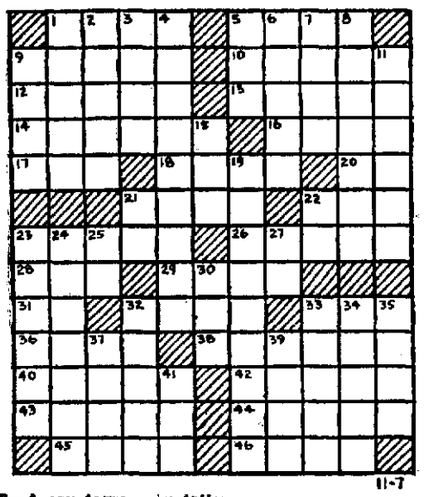
T. R. Hefty, president of the First National bank, has been named a member of the sub-committee on social security and O. B. Lovell, comptroller of the same bank, has been appointed to the bank management commission. Hefty is also a member of the executive committee national bank division.

ACROSS
1. Enclosure for chickens
5. Give over
9. Talk (archaic)
10. Flower
12. Close to (poet.)
13. Stimulate
14. Clubs
16. Seasoning
17. Turf
18. Malt kiln
20. Erbium (sym.)
21. Carousal
22. Employ
23. Tempest
26. A stroke (billiards)
28. Noah's ship
29. Trees
31. Personal pronoun
32. Woody perennial
33. Greek letter
36. Part of a window
38. Moral principles
40. Make amends for
42. Repulse
43. Not ever
44. Goddess of peace
45. Fruit of the palm
46. Signal system

DOWN
1. Division of a long poem
2. Mountain nymph
3. Patron St. of Norway
4. Actor
5. Mountain pass
6. To live
7. Divine being (Hind.)
8. Without eyes
9. Go by
11. Entrance
15. Droop in the middle
19. In balance
21. Co-ordinating conjunction
22. Obj. case of "we"
23. Chinese skiff
24. Cared for medically
25. To approve
27. Roman pound
30. Sheltered side
32. Doctrine
33. Conveyed by pipes
34. Letting
35. Little island
37. New star
39. Person of valor
41. Before

S	A	C	K		O	P	A	L			
S	E	W	A	N		P	E	R	I	L	
C	A	N	N	A		T	R	I	N	E	
A	M		E	V	A		V	E	G	A	
R	A	P		E	C	H	E	L	O	N	
E	R	I	S		T	O	R				
S	K	A	T	E		P	S	A	L	M	
			R	O	E		E	L	I	A	
R	E	P	E	N	T	S		A	F	T	
E	R	I	A		H	A	L		T	I	
A	G	A	M	A		L	A	T	I	N	
M	O	N	E	Y		E	V	E	N	S	
	T	O	R	E		S	A	N	G		

11-7
Yesterday's Answer



CRYPTOQUOTE—A cryptogram quotation

C V E F H D P M J L M A P G G H L T P M Y M

Z C E M D T H J C V E K C E L M — S V E X M.

Yesterday's Cryptoquote: MINDS THAT HAVE NOTHING TO CONFER FIND LITTLE TO PERCEIVE—WORDSWORTH.

Distributed by King Features Syndicate, Inc.

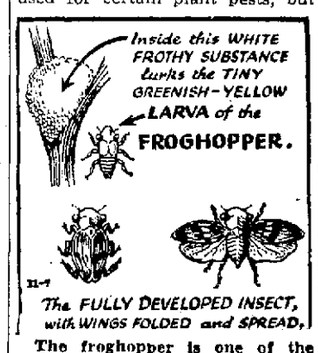
Uncle Ray's Corner

Scientist Proves Value of Sabadilla in Killing Plant Pests

The great insect-killer DDT destroys insects which spread certain diseases, also insects which are pests inside houses.

Now the question comes, "Can DDT rid the world of pests which destroy crops?"

The answer is that it can be used for certain plant pests, but there would be danger in using it on all kinds of plants. If the blossoms of fruit trees were sprayed with DDT, the fruit would have some of it. A person eating a dozen apples, each with a tiny bit of DDT, might suffer as a result.



The froghopper is one of the many harmful insects which may be destroyed by sabadilla.

Another trouble with DDT is the danger to bees and other insects of value to mankind. These insects spread pollen and help plants to make seeds which will grow the next season.

Scientists are trying to produce other insect-killers. One such scientist is Dr. Thomas C. Allen of the University of Wisconsin. For six years he has been working to make a good insect spray from the sabadilla plant, and at last has met success.

The sabadilla plant has the nickname of "Indian barley," and belongs to the lily family. Its stalks reach a height of from two to five feet.

Dr. Allen told me the other day about the hundreds of tests he has made with sabadilla. He learned that only the seeds can supply poison, and they are of value only after certain treatment. When ground to powder and heated with kerosene, sabadilla becomes a poison of high value in destroying leafhoppers, squash bugs, cabbage worms and grasshoppers.

The sabadilla spray does not destroy bees, and is harmless to ladybugs, which rank among the "good insects."

"The poisonous quality of sabadilla," said Dr. Allen, "lasts only from five to 10 days when it is exposed to sunlight and moisture."

That is an important point. It means that the fruit of plants sprayed with sabadilla will not harm people.

Sabadilla will destroy the tarnished plant bugs which feed on alfalfa. It is likely to save farmers millions of dollars on alfalfa alone.

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