(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

Miscellaneous

8:30 p. m.—Report to the Nation (WBBM): Exiled King Carol of Rumania, in first broadcast since he was deposed, speaks from Mexico City.

9:30 p. m.—Congress Speaks (WBBM): Harrison B. Spangler, chairman of national Republican committee, analyzes recent election results.

Variety

6:30 p. m.—Salute to Youth (WIBA): Quentin Reynolds tells dramatized story of pilot and co-pilot on mission over Bremen; Jane Froman, guest, will sing "Let's Keep It That Way," and "Close to You;" other music, "Thank Your Lucky Stars," "Speak Low," "The Lord's Prayer."

7 p. m.—Johnny Presents (WIBA): Ginny Simms, with wounded navy lieutenant and a SPAR, mother of a coast guard hero, as guests.

7:30 p. m.—Duffy's (WLS): Marlene Dietrich, guest . . . **Judy Canova** (WBBM): gets involved with turkeys.

8 p. m.—George Burns and Gracie Allen (WBBM): entertain Loretta Young.

8:30 p. m.—Ahoy America (WGN): Orrin Tucker's orchestra, chorus of marines and sailors, Elissa Landi, guest.

9 p. m.—Bob Hope (WIBA): and Lynn Bari.

9:30 p. m.—Red Skelton (WIBA): Junior turns his attention toward the barber and his customers.

Discussion

8:30 p. m.—American Forum of the Air (WIBU): leading delegates to conference of United Nations Relief and Rehabilitation Administration, now in session at Atlantic City, will discuss, "Will We Get Our Money's Worth Out of UNRRA?"

Drama

7 p. m.—Big Town (WBBM): "The Girl in the Morgue," story of a check-passing racket.

8 p. m.—Mystery Theater (WMAQ): "File for Record" . . . **Famous Jury Trials** (WIBA): murder suspect offers iron-clad alibi in "Trail of Edward Dant."

9 p. m.—Suspense (WBBM): "Strange Death of Charles Umberstein."

10:30 p. m.—Words at War (WIBA): dramatization of Michael Padev's book, "Escape from the Balkans."

Music

6 p. m.—Fred Waring (WIBA): in salute to Chinese pilots training at Thunderbird Field, Ariz.

6:30 p. m.—American Melody Hour (WBBM): "My Shining Hour," "I'll See You Again," "My Heart Tells Me," "How Sweet You Are," "People Will Say We're in Love."

MARLENE DIETRICH
WLS at 7:30

8:30 p. m.—Spotlight Bands (WENR): Vincent Lopez.

9:30 p. m.—Swing's the Thing (WGN): "Marine Hymn," "Call Out the Marines," "Hungarian Dance No. 5," "Stardust," "Night and Day," "Three Little Words," "Rise and Shine."

11:15 p. m.—Roy Shield and Co. (WMAQ): "Put Your Arms Around Me," "Count of Luxembourg Waltzes," "Three Little Words," "Shoo Shoo Baby."

Wednesdaytime

8:30 a. m.—University Forum (WHA): rebroadcast, "Does the League of Nations Form a Suitable Basis for the Post-War World Order?"

10:45 a. m.—Wisconsin School of the Air (WHA): dramatizes the life of Alexander Graham Bell.

12 m.—Elizabeth Hart Presents (WMAQ): Elizabeth Hubbard, director of Home Bound program for Illinois Assn. for the Crippled, discussing Christmas seal sales.

2 p. m.—College of the Air (WHA): presents Thanksgiving episode, "For All These Things."

2:30 p. m.—School of the Air (WBBM): "The Battle for Grass;" also depicts flow of wool, mutton, and hides from grassland to consumer over myriad lines of world trade.

3 p. m.—Home Front Matinee (WBBM): guest, Marie Green, radio star and recording artists.

4:45 p. m.—American Women (WBBM): salute to WAVES at Naval Medical center, Bethesda, Md.

5:15 p. m.—Lynn Murray Orchestra (WBBM): guests, Betty Mulliner, soprano, and Eugene Lowenthal, basso; "Prayer of Thanksgiving," "Badinage," "Daybreak," "By Bendemeer's Stream."

WIBA TONIGHT

5:05 Rhythm Rangers
5:30 News Edition
5:45 Sports Parade
5:55 News Report
6:00 NBC Waring Victory Tunes
6:15 Dinner Melody
6:30 NBC Salute to Youth
7:00 NBC Johnny Presents
7:30 NBC The Treasure Chest
8:00 BLU Famous Jury Trials
8:30 NBC Fibber McGee & Molly
9:00 NBC Bob Hope
9:30 NBC Red Skelton
10:00 Night News Edition
10:15 BLU Raymond Gram Swing
10:30 NBC Words at War
11:00 NBC News Report
11:05 Masterworks
11:30 NBC Shield's Orch.
11:55 NBC News Report

OTHER STATIONS TONIGHT

5:00 Terry and the Pirates—WENR
5:00 Prayer: Quizmaster—WIBU
5:00 Billie the Brownie—WTMJ
5:15 Jimmy Allen—WENR
5:15 Chick Carter—WGN
5:15 University Special—WIBU
5:15 Edwin C. Hill—WBBM WCCO
5:30 Safety Legion—WGN
5:30 Jack Armstrong—WENR
5:45 Superman—WGN
5:45 Capt. Midnight—WENR
6:00 Fulton Lewis, Jr.—WIBU
6:00 Dr. Preston Bradley—WGN
6:00 I Love a Mystery—WCCO
6:00 Fred Waring—WTMJ
6:15 Lum and Abner—WIBU
6:15 Harry James—WBBM WCCO
6:30 Supper Concert—WMAQ
6:30 Chester Bowles—WLS
6:30 Those Who Serve—WTMJ
8:30 American Melody Hour—WBBM
6:45 Guest Star Theater—WGN
6:45 Confidentially Yours—WIBU
6:45 H. V. Kaltenborn—WMAQ
7:00 Johnny Presents—WTMJ WMAQ
7:00 Big Town—WBBM WCCO
7:00 Confidentially Yours—WGN
7:15 Your Reporter—WIBU
7:15 Gracie Fields—WGN
7:15 Lum and Abner—WLS
7:30 Johnny Morgan—WCFL
7:30 Nonsense and Melody—WGN
7:30 Horace Heidt—WMAQ WTMJ
7:30 Judy Canova WBBM WCCO
7:30 Duffy's—WLS
8:00 Mystery Theater—WTMJ WMAQ
8:00 Burns & Allen—WBBM WCCO
8:00 Famous Jury Trials—WENR
8:00 Gabriel Heatter—WGN WIBU
8:15 Gracie Fields—WIBU
8:30 American Forum—WIBU
8:30 Report to the Nation—WBBM
8:30 Fibber McGee—WMAQ WTMJ
8:30 Ahoy America—WGN
8:30 Spotlight Bands—WENR
9:00 Suspense—WBBM WCCO
9:00 Raymond Gram Swing—WENR
9:00 Bob Hope—WMAQ WTMJ
9:15 Sanders and Boland—WGN
9:30 Swing's the Thing—WGN
9:30 Red Skelton—WTMJ WMAQ
9:30 Congress Speaks—WBBM
9:45 The General's Review—WBBM
10:00 Fulton Lewis, Jr.—WGN
10:00 I Love a Mystery—WBBM
10:00 Fred Waring Orch.—WMAQ
10:00 Symphonette—WENR
10:30 Toast to Allies—WENR
10:30 Salute to Youth—WMAQ
10:30 Sinfonietta—WIBU
10:35 Pop Concert—WENR
10:45 Rumpus Room—WTMJ
10:45 Salute to Victory—WBBM
11:05 Benny Goodman Orch.—WBBM
11:10 Buddy Franklin Orch.—WGN
11:15 Roy Shield and Co.—WMAQ
11:20 Lou Breese Orch.—WENR
11:30 Tiny Hill Orch—WGN
11:30 Jimmy Hilliard Orch.—WBBM
11:30 Gay Claridge Orch.—WENR
12:00 Henry Brandon Orch.—WMAQ
12:00 Nite Watch (to 6)—WIND
12:00 Music You Want—WENR
12:05 Art Kassel Orch.—WGN
12:05 Charlie Wright Orch.—WBBM
12:30 Eddie Fens Orch.—WBBM
12:30 Charlie Spivak Orch.—WENR
12:30 Pot Luck—WMAQ
12:30 Al Trace. Orch—WGN
12:45 Dick Thomas Orch.—WGN
1:00 Swing Shift (to 3)—WENR

WIBA WEDNESDAY

MORNING

6:00 Morning Parade
6:25 News Report
6:30 Morning Parade
7:00 NBC World News
7:15 Trading Post
7:30 State Journal News Edition
7:50 Musical Clock
8:30 Inquiring Mike
8:45 Shopping Guide
9:00 Treasury Parade
9:15 NBC The Open Door
9:30 Betty Cass
9:45 NBC Music Room
10:00 NBC Road of Life
10:15 Ration Reporter
10:30 Parade of Stars
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 Service
12:30 Noon News Edition
12:50 Interlude
1:00 NBC Guiding Light
1:15 NBC Lonely Women
1:30 NBC Light of the World
1:45 Rainbow Rendezvous
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 BLUE Frolics
3:15 NBC Stella Dallas
3:30 NBC Lorenzo Jones
3:45 NBC Young Widder Brown
4:00 Civilian Defense
4:15 Campus Jamboree
4:45 School and Home
5:00 NBC News Report
5:05 Rhythm Rangers
5:30 News Edition
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 Mr. and Mrs. North
7:30 NBC Beat the Band
8:00 NBC Eddie Cantor
8:30 Mr. District Attorney
9:00 NBC Kay Kyser College
10:00 Night News Edition
10:15 BLUE Raymond Gram Swing
10:30 So. American Magic
10:45 Let's Learn Spanish
11:00 NBC News Report
11:05 Masterworks
11:30 NBC Design for Dancing
11:55 NBC News Report

WHA WEDNESDAY

MORNING

7:30 Band Wagon
7:45 Morning News
7:58 WHA Program Review
8:00 Music You Want
8:30 University Forum Rebroadcast: "Does the League of Nations Form a Suitable Basis for the Post-war World Order?" Prof. Merle Curti, Prof. L. H. Adolfson, Dean Harold W. Stoke, Prof. A. C. Garnett, moderator.
9:00 Morning Melodies
9:15 News and Views
9:30 Let's Find Out: "Priscilla's Secret"
9:50 News of Wisconsin
9:57 Weather Report: Eric Miller, Meteorologist
10:00 Homemakers' Program: From the Red Cross Front; The Homemaker's Magazine Rack: "Food Poisoning is Avoidable", Mrs. C. S. Hammitt
10:30 Musical Moments
10:45 Young Experimenters: "Alexander Graham Bell"
11:00 Backgrounds of World War II: Prof. Chester Easum
11:50 Noon Musicale
12:20 Noon News
12:30 Farm Program: Plan Now for 1944 Fruit Plantings, C. L. Kuehner.
1:00 Chapter a Day: "Reprisal", Ethel Vance.
1:30 Journeys in Musicland
2:00 Over at Our House: "For All These Things"
2:30 Music of the Masters
3:30 Reading for Wartime
3:45 Excursions in Science
4:00 Melodies for Two
4:15 Voice of the Army
4:30 Lest We Forget
4:45 Adventure Stories: "The Lost Lagoon"
4:55 Afternoon News
5:00 Masterworks of Music

OTHER STATIONS WEDNESDAY

—MORNING—

6:00 Farm Service—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 Mountain Theater—WLS
8:00 Your Neighbor—WMAQ
8:00 Musical Clock—WIBU
8:15 Know the Answer?—WBBM
8:30 Breakfast Club—WLS
9:00 Lora Lawton—WMAQ, WTMJ
9:00 Songs of a Dreamer—WLS
9:00 Valiant Lady—WBBM WCCO
9:15 Kitty Foyle—WBBM, WCCO
9:15 The Open Door—WTMJ WMAQ
9:30 Honeymoon Hill—WBBM
9:30 Helpmate—WMAQ WTMJ
9:30 Hebrew-Christian Hr.—WIBU
9:45 Star Playhouse—WMAQ
9:45 Bachelor Children—WBBM
10:00 Honeymoon Hill—WBBM
10:00 Road of Life—WMAQ WTMJ
10:00 Breakfast at Sardi's—WLS
10:15 Vic and Sade—WMAQ WTMJ
10:15 Second Husband—WBBM WCCO
10:30 Brave Tomorrow—WMAQ
10:30 Bright Horizon—WBBM WCCO
10:30 Safety Court—WJJD
10:45 David Harum—WMAQ WTMJ
10:45 Aunt Jenny's Stories—WBBM
11:00 Kate Smith Speaks—WBBM
11:00 Guiding Light—WTMJ
11:00 The Editor's Daughter—WMAQ
11:00 Beake Carter—WGN
11:00 Martha and Helen—WLS
11:15 Big Sister—WBBM, WCCO KMOX
11:15 Linda's First Love—WMAQ
11:15 Lonely Women—WTMJ
11:30 Helen Trent—WBBM WCCO
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 Presents—WMAQ
12:00 Dinnerbell Program—WLS
12:00 Life Can Be Beautiful—WBBM
12:00 Heinie—WTMJ
12:15 Ma Perkins—WBBM WCCO
12:30 Bernardine Flynn—WBBM
12:30 Loop Noonday Service—WJJD
12:45 Ranch House Jim—WMAQ
12:45 The Goldbergs—WBBM WCCO
1:00 Farm Service—WIBU
1:00 Life Can Be Beautiful—WTMJ
1:00 Guiding Light—WMAQ
1:00 Young Dr. Malone WBBM WCCO
1:15 Joyce Jordan—WBBM WCCO
1:15 Lonely Women—WMAQ
1:15 Bond Wagon—WGN
1:15 School Time—WLS
1:30 Light of the World—WMAQ
1:30 Aunt Jenny—WTMJ
1:30 We Love and Learn—WBBM
1:45 Hymns of All Churches—WMAQ
1:45 Eddie and Fannie—WLS
1:45 Perry Mason—WBBM KMOX
2:00 East Side Serenade—WIBU
2:00 Mary Marlin—WBBM KMOX
2:00 Morton Downey—WLS
2:00 Woman of America—WMAQ
2:15 Ma Perkins—WMAQ WTMJ
2:30 Yankee House Party—WIBU
2:30 Devotionals—WIBU
2:30 School of the Air—WBBM
2:30 Pepper Young—WMAQ WTMJ
2:45 Right to Happiness—WMAQ
3:00 Devotionals—WIBU
3:00 Blue Frolics—WENR
3:00 Home Front Matinee—WBBM
3:00 Backstage Wife—WMAQ WTMJ
3:15 Stella Dallas—WMAQ WTMJ
3:15 Treasury Star Parade—WIBU
3:30 Lorenzo Jones—WMAQ WTMJ
3:30 Full Speed Ahead—WGN WIBU
3:45 Widder Brown—WTMJ WMAQ
4:00 When A Girl Marries—WMAQ
4:00 The Mystery Chef—WENR
4:15 Malcolm Claire—WENR
4:15 Portia Faces Life—WMAQ
4:15 We, Too, Serve—WIBU
4:30 Chick Carter—WIBU
4:30 Cinnamon Bear—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

—EVENING—

5:00 Terry and the Pirates—WENR
5:00 Billie the Brownie—WTMJ
5:00 Prayer, Quizmaster—WIBU
5:15 Chick Carter—WGN
5:15 Lyn Murray Orch.—WBBM
5:15 University Special—WIBU
5:15 Jimmy Allen Adventures—WENR
5:30 Jack Armstrong—WENR
5:30 Safety Legion Time—WGN
5:45 Capt. Midnight—WENR
5:45 Superman—WGN
6:00 I Love a Mystery—WCCO
6:00 Dr. Preston Bradley—WGN
6:00 Fred Waring—WTMJ
6:00 Fulton Lewis, Jr.—WIBU
6:15 Ration Reporter—WIBU
6:15 Harry James—WBBM WCCO
6:30 Supper Interlude—WMAQ
6:30 Easy Aces—WBBM KMOX
6:30 The Lone Ranger—WLS
6:45 Halls of Montezuma—WIBU
6:45 The Lion's Roar—WGN
6:45 H. V. Kaltenborn—WMAQ
6:45 Mr. Keen—WBBM KMOX
7:00 Sammy Kaye—WBBM WCCO
7:00 Mr & Mrs North—WMAQ WTMJ
7:15 Your Reporter—WIBU
7:15 Gracie Fields—WGN
7:15 Lum and Abner—WLS
7:30 Nightcap Yarns—WGN
7:30 Beat the Band—WMAQ WTMJ
7:30 The Falcon—WCFL
7:30 Dr. Christian—WBBM WCCO
7:30 Battle of the Sexes—WLS
8:00 Lionel Barrymore—WBBM WCCO
8:00 Gabriel Heatter—WGN
8:00 Bandwagon—WENR
8:00 Eddie Cantor—WMAQ WTMJ
8:15 Grace Fields—WIBU
8:30 Soldiers With Wings—WIBU
8:30 Nonsense and Melody—WGN
8:30 Mr. District Attorney—WMAQ
8:30 Jack Carson—WBBM WCCO
8:30 Spotlight Bands—WENR
9:00 Treasury Star Parade—WIBU
9:00 Raymond Gram Swing—WENR
9:00 Kay Kyser—WMAQ WTMJ
9:00 Great Moments in Music—WBBM
9:15 Sanders and Boland—WGN
9:15 Victory is Our Business—WCFL
9:30 Carnival—WBBM WCCO KMOX
9:30 Lone Ranger—WCFL
9:30 The Northerners—WGN
10:00 Answer Man—WGN
10:00 I Love a Mystery—WBBM
10:00 Fred Waring—WMAQ
10:00 Symphonette—WENR
10:15 So the Story Goes—WBBM
10:30 Playtime—WMAQ
10:30 Toast to Allies—WENR
10:35 Pop Concert—WENR
10:45 Rumpus Room—WTMJ
10:45 Serenade in Swing—WBBM
10:45 Prelude to Victory—WMAQ
11:05 King Arthur's Court—WBBM
11:10 Art Kassel Orch.—WGN
11:15 Author's Playhouse—WMAQ
11:20 Lou Breese Orch.—WENR
11:30 Griff Williams Orch.—WGN
11:30 Eddie Oliver Orch.—WENR
11:30 Boyd Raeburn Orch.—WBBM
11:45 Little Night Music—WMAQ
11:45 Buddy Franklin Orch.—WGN
12:00 Emile Petti Orch.—WMAQ
12:00 Nite Watch (to 6)—WIND
12:00 Music You Want—WENR
12:05 Jimmy Blade Orch. WBBM
12:05 Del Courtney Orch. WGN
12:30 Charlie Spivak Orch.—WENR
12:30 Charlie Wright Orch.—WBBM
12:30 Pot Luck—WMAQ
12:30 Art Kassel Orch.—WGN
1:00 Swing Shift (to 3)—WENR

NEWS BROADCASTS

TONIGHT

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

SPORTS REVIEWS

TONIGHT

5:15 WIND
5:45 WIBA WTMJ
6:00 KMOX
9:00 WIND
11:15 WENR

WEDNESDAY

P. M.

2:15 WIND
3:15 WIND
4:15 WIND
5:15 WIND
6:00 KMOX
5:45 WIBA WTMJ
9:00 WIND
11:15 WENR

DAILY CROSSWORD

ACROSS

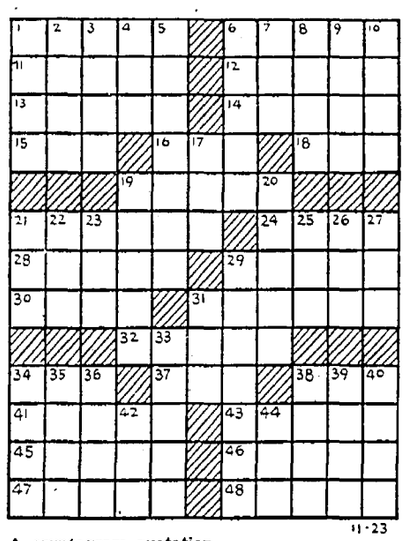
1. Freight
6. Cape
11. Adage
12. Lift
13. Stone
14. Flower
15. Goddess of death (Norse)
16. Humble
18. Perched
19. Plants
21. Deny
24. American Indian
28. Accumulate
29. River (It.)
30. Plays on words
31. Listless
32. Couples
34. Mandarin tea
37. Little girl
38. Female parent
41. Half diameters
43. Drench
45. Girl's name
46. Missile weapon
47. Measure of length
48. Periods of time

DOWN

1. Ready money
2. Pin for a wheel
3. Coin (Per.)
4. Obtained
5. Egg dishes
6. Cap
7. Slack
8. Anoints
9. Largest continent
10. Retained
17. Coin (Swed.)
19. Finical
20. Vessels
21. Knock
22. Ostrich-like bird
23. Winnow
25. Fetish
26. Enclosure
27. Wrath
29. A weekday
31. Norwegian snowshoe
33. Variety of willow
34. Stuff
35. Robust
36. Mine entrance
38. —— mater; membrane of brain
39. Musical instrument
40. Cries, as a cat
42. Frozen water
44. Metallic rock

MALL SCAB
DEFOE POLES
ISERE AMOLE
BARD PELT
SALVE
TAP COOLERS
IRISH ISLET
CONCEAL APY
ADIEU
ABUT MESA
CANTO ABACA
HATED ERROR
LORD SALT

Yesterday's Answer



CRYPTOQUOTE—A cryptogram quotation

K I G R J M W M O O S L O N M M W H M G G F M-A R W M F L O N M W M D I G M W U M R W O E L G G J S R W B O — E L U L Z G L X.

Yesterday's Cryptoquote: PROVERBS ARE SHORT SENTENCES, DRAWN FROM LONG EXPERIENCE—CERVANTES.

Distributed by King Features Syndicate, Inc.

QUENTIN REYNOLDS
Your favorite war reporter with another battlefront story
Raymond Paige's Young Americans
Nadine Conner
TONIGHT
6:30, WIBA
GOODYEAR "Salute to Youth"

Uncle Ray's Corner

Drinpping Water Leaves Bits of Lime to Build Stalactites

THERE is an old saying which tells us, "The Greeks had a name for it."

Thousands of English words came from the Greek language. Many of these words were first "borrowed" from the Greeks by the Romans. The Romans, in their turn, gave many words to the French, and the French passed them on to England!

One of our words which goes back to the Greeks is "stalactite." It means "oozing out in drops," or "dripping."

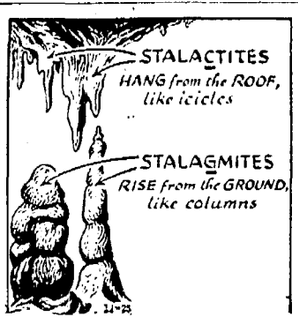
A stalactite is a hard, pointed object which usually hangs from a ceiling or ledge. It is roughly in the shape of a cone, with the point downward.

We usually think of stalactites as being found only in caves, but they also are formed in other places. Many old stone bridges have them hanging above the water.

When only 100 years old, a bridge in Edinburgh, Scotland, had stalactites as much as an inch and a half thick at the base. These had come from dripping water which had carried bits of lime through little holes in the bridge. The lime had come from cement and mortar between the stones.

Even icicles are classed as stalactites. They come from water which drips slowly in cold weather, and are seen most often at the edge of a roof. When the drops fall slowly enough, they freeze on the way down and make the icicle.

The stalactites in caves are probably the most interesting. Instead of forming in a few hours, as an icicle often does, they take thousands of years to reach large size.



By studying their rate of growth, we have been able to estimate the age of caves.

Drops of water may pass through small holes in the ceiling of a limestone cave. Many drops of water turn into vapor, instead of falling to the floor of the cave. When that happens, they leave behind bits of lime (or "carbonate of lime") to add to the size of the stalactite.

The drops which fall to the floor of the cave tend to build up a "stalagmite," and this, too, comes from bits of lime in the water. Sometimes a stalagmite grows high enough to meet a stalactite.

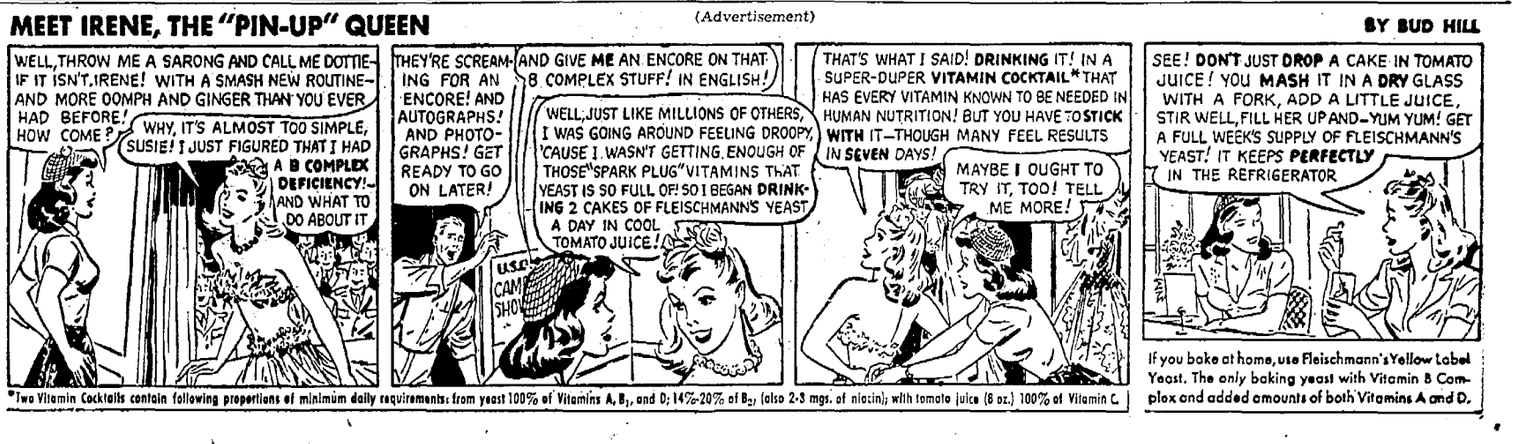
(For NATURE section of your scrapbook.)

Uncle Ray

(Advertisement)

MEET IRENE, THE "PIN-UP" QUEEN

BY BUD HILL



*Two Vitamin Cocktails contain following proportions of minimum daily requirements: from yeast 100% of Vitamins A, B_1, and D; 14%-20% of B_2; (also 2-3 mgs. of niacin); with tomato juice (6 oz.) 100% of Vitamin C.

If you bake at home, use Fleischmann's Yellow Label Yeast. The only baking yeast with Vitamin B Complex and added amounts of both Vitamins A and D.