(Programs listed in The State Journal are checked to the last pos-sible moment. Changes may be made, however, at the discretion of stations and networks.)

Tonight's Aces

Miscellaneous

8:30 p. m .- Report to the Nation (WBBM): Mrs. Franklin D, Roosevelt, Eddie Cantor, and Guy Kibbee. Mrs. Roosevelt speaks of International Students' Day, anniversary of rioting between students of Czech universities and Gestapo; Cantor speaks on behalf of 15th anniversary of Educational Alliance; Kibbee tells of experiences in appearances before armed forces. 0 0

Variety

6:30 p. m.-Salute to Youth (WIBA): Quentin Reynolds tells of Russian navy hero's exploit; music: "Say a Prayer for the Boys Over There," "Missouri, Waltz," "Begin the Beguine," medley from "Oklahoma."

Reginald Gardiner, guest.

meshed in plot to make him "Tootsie Sagwell's" husband.

birdie.

8 p. m. — Mystery Theater (WMAQ): "Mourned on Sunday" . Famous Jury Trials (WIBA): (WHA); rebroadcast, "Should We "People vs. Martha Pedersen," Receive Air Bases in Return for story of spinster charged with ax Lend-Lease?"

murder of her sister. 9 p. m. — Suspense (WBBM): Gene Kelly in "Thieves Fall Out." Roosevelt, Jr., describes her Red 10:30 p. m. — Words at War Cross work in London. (WIBA): "Skyways to Berlin," 12:30 p. m. — Farm Program

6 p. m.—Fred Waring (WIBA): observes first anniversary of "Victory Tunes" program, intro-ducing new war song, "When They Met in Casablanca." 6:30 p. m.—American Melody Hour (WEBM): "Believe Me If Hour (WBBM): "Believe Me If guine."

OTHER STATIONS WEDNESDAY

NS WEDNESDAY
8:30 Breakfast Club—WLS
9:00 Lora Lawton—WMAQ, WTMJ
9:00 Songs of la Dreamer-WLS
9:00 Valiant Lady:-WBBM, WCCO
9:15 Kitty Foyle—WBBM, WCCO
9:15 The Open Door—WTMJ WMAQ
9:30 Honeymoon_HIII—WBBM
9:30 Holepmate-WMAQ WTMJ
10:00 Breakfast at Sardi's=WLS
10:15 Vie and Sade-WMAQ WTMJ
10:30 Braye Tomorrow-WMAQ
10:30 Braye Tomorrow-WBBM WCCO
10:30 Braye Tomorrow-WBBM WCCO
10:30 Bright Horizon-WBBM WCCO
10:30 Safety Court-WJJD
10:45 David Harum-WMAQ WTMJ
11:00 Kate Smith Speaks-WBBM
11:00 Guiding Light-WTMJ
11:00 Gatha and Helen-WLS
11:15 Big Sister—WBBM, WCCO KMOX
11:55 Lonely Women-WTMJ
11:30 Helen Trent-WBBM WCCO
11:30 Light of the World—WTMJ
11:30 Holen Trent-WBBM WCCO
11:30 Light Source-WBMWAQ
11:45 Our Gal Sunday-WBBM WCCO -MORNING-Gion Farm Service-WLS Gion Top o' The Morning-WTMJ Gi5 Everett Mitchell-WMAQ Gi5 Everett Mitchell-WMAQ Gi5 Morning Devotions-WLS Gi30 Back to the Bible-WIND Ti00 Farm Service-WIBU Ti01 Farm Service-WIBU Ti35 Mountain Theater-WLS St00 Your Neighbor-WMAQ St00 Musical Clock-WIBU St35 Konse the Answer2-WBBM 8:15 Know the Answer?-WBBM

 NEWS BROADCASTS

 NEWS BROADCASTS

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 10: NEWS BROADCASTS



Elvia Alman plays the romantic minded "Tootsie Sagwell" on the Burns and Allen show heard over WBBM on Tuesdays at 8 p.m.

* . rom "Oklahoma." 7:30 p. m. — Duffy's (WLS): Charms," "White Christmas," 7:30 p. m. — Horace Heidt

 Reginald Galdiner, guest.

 8 p. m. — Burns and Allen (WIBA): "Sky Anchors," "Later (WBBM): Walter Pidgeon is en-meshed in plot to make him

 weshed in plot to make him

 8:30 p. m. — Spotlight Bands

(WENR): Eddie Howard. "Tootsie Sagweit's" nusband. **9 p. m.—Bob Hope** (WIBA): with Ida Lupino. **9:30 p. m. — Red Skelton** salie," "Indian Summer," "You'll (WIBA): "Junior" watches the Never Know," "Why Do I Love

You." Drama 7 p. m. — Big Town (WBBM): "Dark Heritage" finds Steve Wil-son tangling with voodooism on a Caribbean Island. 11:15 p. m. — Roy Shield and Company (WMAQ): "St. Louis Blues," "Beale Street Blues," "Yellow Dog Blues," "Aunt Ha-gar's Blues," "Memphis Blues,"

Wednesdaytime 8:30 p. m. — University Forum

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 6:30 Inquiring Mike 8:30 Shopping Guide 9:00 Melodic Interlude 9:15 NBC The Open Door 9:30 Betty Cass 9:45 NBC Music Room 10:00 NBC Road of Life 10:45 a. m. — Aunt Jenny's Stories (WBBM): Mrs. Theodore Coseveit, Jr., describes ner neu 949 NBC Music Room
 Cross work in London.
 12:30 p. m. — Farm Program
 10:00 NBC Road of Lift
 10:18 Ration Reporter
 10:20 Parade of Stars
 10:20 Parade of Stars

 (m.DA):
 Skywdys to Bernin, story of operations of American (WHA):
 12:30 p. m. — Faim Frogram 10:20 Farade of Stars.

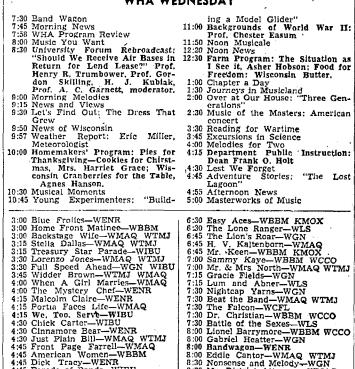
 story of operations of American Eighth army air force in Great Britain.
 (WHA):
 war-front role of butter 10:30 News

 Britain.
 2:30 p. m. — School of the Air (WBBM): presents study of man's use of soil resources as reflected in 11:30 Farm Roundup
 10:30 Farm Roundup

 Music
 was of soil resources as reflected in Misconsin.
 11:30 Farm Roundup

 AFTERNOON

MORNING



WIBA TONIGHT

8:30 NBC Fibber McGee & Molly.
9:00 NBC Bob Hope.
9:30 NBC Red Skelton.
10:00 Night News Edition.
10:15 BLUE Raymond Gram Swing.
10:30 NBC Words at War.
11:00 NBC News Report.
11:05 Masterworks.
11:30 NBC Roy Shield's Orch.
11:30 NBC Roy Shield's Orch. 11:55 NBC News Report.

FREQUENCIES

OTHER STATIONS TONIGHT

8:30 Fibber McGee-WMAQ WTMJ 8:30 Ahoy America-WGN 8:30 Spotiight Bands-WENR 9:00 Suspense-WBBM WCCO 9:00 Raymond Gram Swing-WENR 9:00 Suspense-WBBM WCCO 9:00 Bob Hope-WBBM WCCO 9:00 Bob Hope-WMAQ WTMJ 9:13 Sanders and Savage-WGN 9:30 Red Skeiton-WTMJ WMAQ 9:30 Congress Speaks-WBBM 10:00 Fulton Lewis, Jr.-WGN 10:00 Fulton Lewis, Jr.-WGM 10:00 Fulton Lewis, Jr.-WGM 10:00 Fred Waring Orch-WMAQ 10:00 Symphonette-WENR 10:30 Salute to Youth-WMAQ 10:30 Sinfonietta-WIBU 10:33 Solute to Youth-WMAQ 10:30 Sinfonietta-WIBU 10:35 Pop Concert-WENR 10:35 Salute to Victory-WBBM 11:05 Benny Goodman Orch-WBBM 11:05 Benny Goodman Orch-WBBM 11:05 Benny Goodman Orch-WBBM 11:05 Benny Goodman Orch-WBBM 11:05 Denny Goodman Orch-WBBM 11:05 Denny Goodman Orch-WBBM 11:30 Tiny Hill Orch-WGN 11:31 Gay Claridge Orch.-WENR 11:30 Jimmy Hilllard Orch.-WBBM 11:30 Jimmy Hill Orch-WGN 11:30 Jimmy Hill Orch-WBBM 11:30 Gay Claridge Orch.-WENR 12:00 Honzy Brandon Orch-WMAQ 12:00 Inte Watch to 61-WIND 12:00 Muste You Want-WENR 12:00 Charlle Spivak Orch.-WENR 12:30 Eddie Fens Orch.-WBBM 12:30 Charlle Spivak Orch.-WENR 12:30 Pot Luck-WMAQ 12:30 Dot Luck-WMAQ 12:30 Dot Luck-WMAG 12:30 Dot Luck-WMAG 12:30 Dot Luck-WBBM 8:30 Fibber McGee-WMAQ WTMJ

WIBA WEDNESDAY

1:45 Rainbow Rendezvous	
2:00 NBC Women of America	~
2:15 NBC Ma Perkins	
2:30 Music of the Day	
2:45 NBC Right to Happiness	
3:00 Treasury Parade	
3:00 Treasury Parade 3:15 NBC Stella Dallas 3:30 NBC Lorenzo Jones	
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 Meet the Team	
5:30 News Edition	
5:45 Meet the Team	
EVENING	•
6:00 NEC 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	
7:00 NBC Mr. and Mrs. North 7:30 NBC Eddle Cantor 8:30 NBC Mr. District Attorney 9:00 NBC Kay Kyser College	
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 South 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	
11.55 INBC NEWS	

WHA WEDNESDAY

	DIRE	JUAT
		ing a Model Glider"
	11:00	Backgrounds of World War II:
v		Prof. Chester Easum
	11:50	Noon Musicale
ebroadcast:	12.20	Noon News
ir Bases in	12:30	Farm Program: The Situation as
ase?" Prof.		I Sec it, Asher Hobson; Food for
Prof. Gor-		Freedom: Wisconsin Butter.
J. Kublak.		Chapter a Day
moderator.		Journeys in Musicland
		Over at Our House: "Three Gen-
		erations"
Dress That	2:30	Music of the Masters: American
		concert
	3:30	Reading for Wartime
ric Miller.	3:45	Excursions in Science
	4:00	Melodies for Two
a: Pies for	4:15	Melodies for Two Department Public Instruction:
for Chirst-		Dean Frank O. Holt
race: Wis-		Lest We Forget
the Table.		Adventure Stories: "The Lost
		Lagoon"
	4:55	Afternoon News
s: "Build-		Masterworks of Music
	6.20	Town Anna WEDDIA WIMON
WBBM	0:30	Easy Aces—WBBM KMOX The Lone Ranger—WLS
AQ WTMJ		The Lion's Roar-WGN
WTMJ	6:45	H V Kaltanharn WIMAO
-WIBU	6.45	H. V. Kaltenborn-WMAQ
Q WTMJ	7:00	Mr. Keen-WBBM KMOX
GN WIBU	7:00	Sammy Kaye-WBBM WCCO
JWMAQ		Mr. & Mrs North-WMAQ WTMJ Gracie Fields-WGN
-WMAQ	7.15	Lum and Abner-WLS
VENR	7.20	Nightcap Yarns-WGN
R	7.30	Rest the Band WMAO WITTE
MAQ	7:20	Beat the Band—WMAQ WTMJ The Falcon—WCFL



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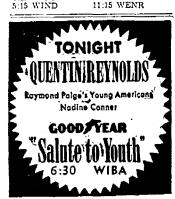
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ACROSS

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5. Dread

9. Serious

10. Storms

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20. Apex

23. Beards

29. Common-

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27. Public notice

fish

12. Keen 13. Ascend

4:45 Dick Tracy-WENR 4:45 Parade of Bands-WIBU -EVENING-

5:00 Billie the Brownie-WTMJ 5:00 Prayer: Quizmaster-WIBU 5:15 Chick Carter-WGN 5:15 Liny Murray Orch.-WBBM 5:15 Liny Murray Orch.-WBBM 5:15 Jinmy Allen Adventures-WENH 5:30 Jack Armstrong-WENR 5:30 Safety Legion Time-WGN 5:45 Capt. Midnight-WENR 5:45 Capt. Midnight-WENR 5:45 Capt. Midnight-WENR 6:00 I Love a Mystery-WCCO 6:00 Dr. Preston Bradley-WGN 6:00 Fred Waring-WTMJ 6:00 Fred Waring-WTMJ 6:00 Fred Waring-WIBU 6:15 Ration Reporter-WIBU 6:15 Harry James-WBBM WCCO 6:30 Supper Interlude-WMAQ 6:30 Supper Interlude-WMAQ

Yesterday's Answer

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DAILY CROSSWORD

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26. Elongated 40. Bestow 41. Undivided

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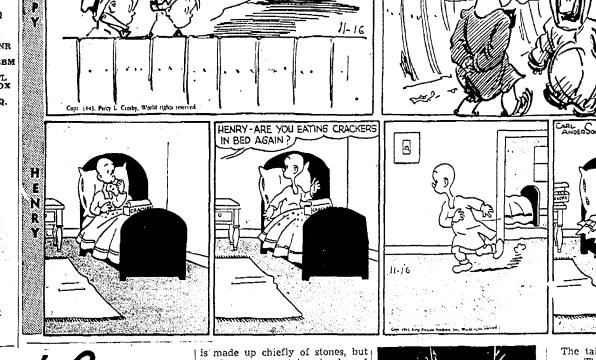
CRYPTOQUOTE-A cryptogram quotation

LBOWB NA VM FF LIMHDWBH FZ TNWVMIZ, EMV FZ EBPMVNOVNME-WNWBIM.

Yesterday's Cryptoquote: WHAT'S GONE, AND WHAT'S PAST HELP, SHOULD BE PAST GRIEF-SHAKESPEARE Distributed by King Features Syndicate, Inc.

8:00 Eddie Cantor-WMAQ WTMJ 8:30 Nonsense and Melody-WGN 8:30 Mr. District Attorney-WMAQ 8:30 Mr. District Attorney-WMAQ 8:30 Sector State State State 9:00 Treasury Star Parade-WIBU 9:00 Raymond Gram Swing-WENR 9:00 Great Moments in Music-WBBM 9:15 Sanders and Savage-WGN 9:15 Victory is Our Business-WCFL 9:30 Carnival-WBBM WCCO KMOX 9:30 Lone Ranger-WCFL 9:45 Pres. Roosevelt-WGN WMAQ. 10:00 Answer Man-WGN 3:30 Lone Ranger-WCFL WMMA
3:35 Lone Ranger-WCFL WGN WMAQ.
3:45 Pres. Roosevelt-WGN WMAQ.
10:00 Fred Waring-WMAQ
10:00 Fred Waring-WMAQ
10:00 Fred Waring-WMAQ
10:00 Fred Waring-WMAQ
10:30 Toast to Allies-WENR
10:35 Pop' Concert-WENR
10:45 Rumpus Room-WTMJ
10:45 Sprelude to Victory-WMAQ
11:05 King Arthur's Court-WBBM
11:05 King Arthur's Court-WBBM
11:06 King Arthur's Court-WBBM
11:07 King Arthur's Court-WBBM
11:08 Criff Williams Orch.-WGN
11:30 Eddie Oliver Orch.-WENR
11:45 Little Night Music-WMAQ
11:45 Little Night Music-WMAQ
12:00 Emile Petti Orch.-WBBM
12:00 Emile Petti Orch.-WBBM
12:00 Emile Petti Orch.-WBBM
12:00 Emile Spivak Orch. WBBM
12:00 Emile Spivak Orch. WBBM
12:00 Loarlie Wright Orch.-WBBM
12:00 Charlie Spivak Orch.-WBBM
12:00 Charlie Spivak Orch.-WBBM
12:00 Charlie Wright Orch.-WBBM
12:00 Art Kassel Orch.-WBBM
12:00 Charlie Spivak Orch.-WBBM
12:00 Art Kassel Orch.-WBBM
12:00 Swing Shift (to 3)-WENR

40 1



Uncle Ray's Corner

Comet's Head Contains Gas and which stretch out millions of miles. Nucleus of Solid Lumps

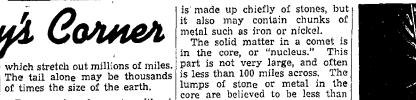
than that of the earth!

OF ALL known heavenly of times the size of the earth. Photographs of comets without 50 feet thick on the average, and

bodies, comets have the any tails have been made through many of them may be smaller than least weight, or "mass," com- telescopes. Later a certain compared with their size. If threre et has been photographed again, were 2,000,000 comets, and we and a small tail has appeared. Still later, as the comet moved

of gas which makes up the rest of put all of them together, the closer to the sun, the tail has the comet's head. The entire head may be 3,000 or 4,000 miles across, combined weight would be less grown to enormous size. or it may have a width of more A comet without a tail is a than 1,000,000 miles.

That is the more surprising mass of gas with a small amount When a comet gets closer to the "push" some of the gas out of the when we think of the vast size of solid matter. There is reason sun, its tail grows. This is due to comet, and make it stream far be-



Around the core is a great deal 11-16

> Dingram of a comet rounding Great Comet of 1843. the sun. Note that the tail always turns away from the sun.

The tail points away from the sun. This is made very clear when a comet goes around the sun at a close range.

13 M

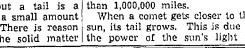
by King Pe

One comet got to a point only 80,000 miles from the sun. That is a short space compared with most of the distances between objects in the sky.

The gas in a comet's tail is thinner than the air around the earth. Yet it makes a beautiful sight in the case of a large comet like Halley's or Donati's or the

(For SCIENCE section of your scrapbook.)

Uncle Ray



of many comets. Some have tails to believe that the solid matter the power of the sun's light to hind,

oranges.



cents: from yeast 100% of Vitamins A, B1, and D; 14%-20% of B2; (also 2-3 mgs. of niacin); with tamato juice (8 oz.), 100% of Vitamin C *Twe Vitamin Cocktalls contain following propertiens of minimum daily regul