WIBA 1310 kg.

News Southland Calls Capital Cathedral Sacred Heart

tring Quartes

Devotions

Congregational Church Sunday Melody

Accordionists

NBC Theater NBC Theater

The Truitte

Cloak and Dagger

\$1.000 Reward Western Carayan

The Saint

6:00 4:15 9:30 8:45

10:09 10:15 10:30 10:45

News U. W. Band

Summer Symphony American Album

Take It or

Leave It Bob Crosby Show

News Clifton Utler

News: Dance Orchestra

Surprise Serenade; News

2:30 p. m. - Quiz Kids (WIBA):

12:25 p. m. — Baseball (WIBA-FM): Cubs at Philadelphia . . .

Junior and senior piano pupils

Awards went to Elaine and Ma-

Appearing in the recital were

lor, Bonnie Vaughan, Lucille

The Northern States district re-union of veterans of the 81st Wild-

cat Division of both World Wars will be held Saturday and Sunday, July 8-9, in Grand Rapids, Mich. Reservations may be made by writing the Wildcat Reunion Com-

mittee, Hotel Pantlind, Grand Rapids.

"WHO WANTS

SOCIALIZED

STEEL!"

sense, both within the industry and among the public, a grow-ing alarm lest the example of the

cialist Labor government of Great

Britain be followed in America -followed before we fully recognize

the disastrous consequence of so-cialization in practise." That state-

nent will be made over the air or AMERICANS, SPEAK UP!" TO-DAY by Frank Rising, general

manager of the Automotive and Aviation Parts Manufacturers,

whose industry is the largest con-sumer of steel. Mr. Rising was

ormerly associate editor of Business Week, has served on many government boards, and is cur-

rently industrial advisor to Uni-versity of Michigan and Wayne

Listen TODAY!

12 Noon to 12:15 P.M.

1070 ON YOUR DIAL

Brought to You as a Public

Service by:

Contracting Firm"

-Jackle Robinson

Dance Orchestra

High Adventure

Quiz Kids

News Hello Wisconsin Joey Tantillo

1:00 7:15 1:30 1:45

Organ Tones

News Moments on the Mount

News Morning Sons Let There Be Music

Message of large Negro Collage Choits

Ave Maria Hour Hour of Faith

News Frank & Ernest Hometowners To Safety

This Week Around World Mister President

Music for America Plano Playhouse

Old Fashioned Revival Hour

Lutheran Hour Tourist Time

Drew Pearson Readlines Music with the (lirls

Candlelight and Silver The Amazing Mr. Malone

Jimmy Blaine Sammy Kayo J. Robinson

Hinn News

Wings of Song

Dance Orch.; News

Walter Winchell Meet Corliss
L Parsons Archer
State Street Classical
Ferenads Hour

Stop the Music Stop the Music

720 Ec.

Your sible

Sack to God

Sadio Bible

Yolce of

News int's Factor Reviewing Stand

News Musical Moods

Wm. Hillman Helen Westbro Pan-Am. Pass News

Proudly We Hail Juvenne Jury

Hopalona Onssidy Martin Kane, Private Mye

fine Shadow Detective Story

Roy Rogers

Nick Carter

Under Arrest

Mediation

Hawaii Calla

Orime Dom

Ery Victor Speak Up

News: Sunse Chuck Foster

Teddy Powell Orchestra Benny Strong Orch.; News

Chuck Foster Orchestra Wayne Gregg Orchestra

Walter Winchell Sylvan Levin Loue la Parsons Opera Conc

utheran Hour

WMAQ

World News W'mwood Forest Reading the Comics

National Radio Pulpit Art of Living Radio Parade

Destination Freedom

Nows Bob Bourton

UN Story Symph. 6 Eternal Light

NBO Theater NBO Theater

The Truites Quiz Kids

Cloak and Dagger High Adventure

The Big Guy Harvest of Stars

Catholic Hour Western Caravan

#1,000 Reward

Adventures of

Symphons

Sympton Sympton American Album

Take It or Leave I

Clifton Utler News

News Tex Beneka The Ches Show

The Ches Show The Ches Show

WHA&WHA-FM

BUNDAY

9:00 Devotional Music 9:30 Cathedral Echoes 9:35 News 10:00 Symphony Hall 10:35 News and Weather 11:00 Masterworks of Music 11:55 News

The Sains

America United Chicago Round Table

The Sunday Spotlight

# 'Landlord's Delight' Gets Results

(State Journal Radio Editor)
Even after all these years around radio. I must confess that I still know virtually nothing about the intricacies of radio engineering

Theory, yes; results, yes; practical application, no. For personal and professional reasons, results are the tning. So when a new type of antenna is hooked up to an FM receiver, I can tell you what happens, but not why.

In our houe are two FM receivers. One is an AM receiver with an FM tuner. The other is a super-sensitive FM set. Until a couple of weeks ago, the tuner was operating on the AM receiver's built-in antenna and the super-sensi-tive job was hooked to a T-shaped combination

of wires laid under a rug. For local reception, the tune was satisfactory. but WWCF's transmitter was the most distant one it would bring in. Even without an aerial, the FM set would bring in considerable distance (once it picked up Winona, Minn.) With the makeshift antenna, it logged a good many out-

lets, but reception often was weak.

nas-a double folded dipole. It consists of two narrow loops made of aluminum and placed in the form of a cross, parallel with the ground. The setup is known facetiously as the landlord's delight, since no nails are used in its mounting; instead, it is fastened to a chimney with strips of metal.

The effect is that of a circular pattern of reception-it is non-directional, giving equal quality at all points on the dial.

As for results-it helped the tuner somewhat, bringing in Chicago for the first time, but it was almost perfect on the super-sensitive FM receiver. We logged 22 stations in a single evening, most of them coming in sharply and clearly.

The engineers who installed the new antenna tell me it is the best type now known. However, they also tell me that you can get satisfactory results with the now-obsolete dipole by having reflector bars installed with it.

A less expensive installation than mine, but satisfactory one, is a single folded dipole which comes in various styles--sometimes in the shape of an incomplete circle or an This type also can be improved by the addition

#### Uncle Ray's Corner

# Quinine Grown in East Indies

the news of her cure spread far like the head of a lion. During Dutch East Indies is rubber. Beand wide. Hundreds of pounds of the dance, the make-believe lion the bark were sent to Spain. Italy, shakes its head and wiggles its supplied more than one third of the marks of southern Europe and other parts of southern Europe and other Europe and Europe and Other Eu and other parts of southern Eu- tail.

Two centuries later, Great Britain and Holland sent men to South America to obtain cinchona seeds Summer and seedlings. These were plantd in India, Ceylon, and Java.
At present there are cinchona Chorus Plans ed in India, Ceylon, and Java. tree plantations in India and Cey-Ion, but they are not nearly so large as those of Java.

An ounce of cinchona seeds may produce as many as 20,000 plants.

The seedlings are placed 3 or 4 feet apart. A thousand trees can be grown on a single acre of

None of our important drugs is known as "quinine." It is helpful in the treatment of malaria, and illness which is common in warm parts of the world.

Quinine is taken from bark of the cinchona tree, which is a native of South America. It is found wild on the slopes of the Andes mountains.

"rich," but quinine is only one of the valuable products. The others larger than Holland. They contain larger than Holland. Among the islands are Java, Sumatra, and Celebes, also large parts of Borneo and New Guinea. Beside those named, there are dozens of other islands of smaller customs of the people.

Strange dances are performed One of our important drugs is "rich," but quinine is only one of

ustoms of the people.

Strange dances are performed size.

The Dutch East Indies are rich mountains.

About 300 years ago, a Spanish woman in Ecuador was cured of a fever after using the bark of the cinchona tree. Just how she "used"

Strange dances are performed to be both men and women of Bali. The Dutch East Indies are rich by both men and women of Bali. The Dutch East Indies are rich by both men and women of Bali. In many ways. Big crops are in many ways. Big crops are and gold-decked cloth, and with a large stores of important metals.

Another great product of the mask which is supposed to look.

the world's rubber.

# Concert

sin's Summer Session chorus will but G. Wallace Woodworth, con

The bark is placed in bales and school of music conducts the ortaken to a quinine factory. There ganization, in which membership it is ground into a brown powder, which is treated until the quinine members, and staff workers.

The bark is placed in bales and school of music conducts the orsix of them will be on the protaken to a quinine factory. There are no six of them will be on the protaken to a quinine factory. There are no six of them will be on the protaken to a quinine factory. There are no six of them will be on the protaken to a quinine factory. There are no six of them will be on the protaken to a quinine factory. There are no six of them will be on the protaken to a quinine factory. There are no six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a six of them will be on the protaken to a quinine factory. There is a quinine factory to a quinine factory to a quinine factory to a quinine factory. The six of them will be on the protaken to a quinine factory to a quinine factory

with piano, accompaniment, or gan, and chimes are included.

The newest and most ambitious Drama work chosen is George Frederick McKay's setting of poems by Ed-win Markham, "Lincoln Lyrics." This 1949 composition by a University of Washington composer will have its first Madison per-

Bark can be taken off when the tree is only 3 years old, but, it does not reach full size for 8 or 9 years.

Bark can be taken off when the begin rehearsals this week for a cuctor of the Harvard-Radcliff Choral society, has translated and revised a number of the choruses from this burlesque of Helen of Troy and the Greek heroes, and the choruses of the choruses of the choruses of the choruses from this burlesque of Helen of the choruses of th

which is treated until the quinine limited standard stand with feather out.

The Dutch East Indies supply ture several recently issued and keller family reunion was held nine tenths of the world's quirevised works, as well as some of Sunday at the Badger Community nine. This helps to explain why the standard choral repertoire. A building. More than 30 members the Dutch East Indies are so cappella compositions and works of the family attended.

# Classified Highlights of Today's Radio Schedules

WKOW

Concert News; Coffee Concert

Radio Bible Olass

Voice of Prophec

Back to God Catholic Hour

Ohrist Presby-

terian Church

Lutheran Hour Date With Music

Hopalons
Cassidy
Martin Kane,
Private Eye

The Shadow

Detective Mystery

Roy Rogers Nick Carter

Guy Lombardo

Percy Faith and Guest Gay Nineties

Classical Hour We Take Your Word

News Larry Leauer

.. 101.5 M.

News Roundup E. Power Higgs Paith the Victors

SUNDAY

News: Marches Parm Bervice Farm Frolic

Melody Time Melody Time

Methodist Church Ist Luthersn Church

Bible Fellowship • Music Oenter

Farm Hour Toby and Chore Boys

Toby and Chore Boys Music Jewel Box

L. Duchow Waltz Time Old Timers Bandstand

. Watertown

Horicon Show

Watertown
Polks Parade
Whozit Show

• Melodies • Radio Parade

Wrestling Tips New Rhythm Friendy Music

News Piano Plano Old Time Religion

Old Timers

Jamboree Old Timers Jamboree

Music for Listening Band of We Flests Time

**WBBM** 

News of America News E. Power Biggs Trinity Choir

Prop. Owners Treasury Salute Serenade Serenade

Parade

Choraliers

OBS Symphony

CBS Symphon**y** 

CBS Symphony

Symphonette Symphonette

Music for You Earn Your Vacation

My Favorite Husband

Guy Lombardo Time Hit the Jackpot

Rcd Skelton

Meet Corliss
Archer
The Horace
Ecldt Show

Contented

Hour We Take Your Word

Platform

News Cee Davidson Orchestra Dance Orch.

Matines at Midnisht Matines at Midnisht

News U. N. in Action

IWENR-WLS

Announced

Sammy Kare Serenade

Amateur dour

Mister President

Frank and Erner Back to God

Fashloned

Revival Hour

Lutheran Hour Sunday Vespers

Orew Pearson
Don Gardiner
Music with
the Girls

Sunday Vespera The Amazin Mr. Malone

Stop the Music Stop the Music

Ted Malone

lano Playhouse

Thoughts Songs in The Night

The Wagners Al Trace Orch: News

. FM channelst

The John McCormick Show News

News Thoughts

To Be Announced To Be

News Little Brown Church

News Howard K Smith Rent Law To Be Continued of Faith

Madison

9:30 a. m. — Bethel Lutheran (WIBA): "With Bands of Love," the Rev. L. A. Benson; anthem, "The Love of God," Mozart.

10 a. m .- First Congregational (WIBA): "The Commonplace," the Rev. Richard Anthens; anthem, Glorious Forever," Rachmanin-

11 a. m. - Bashford Methodist (WFOW): 'When God Spoke," the Rev. William B. Waltmire . . . Christ Presbyterian (WKOW): "A Christ Presbyterian (WKOW); "A \$130 Christian Loyalty Oath," Dr. Roy \$145 W. Zimmer; dedication service of young people . . . First-University Methodist (WISC): "Giving a Better World Your Vote," Dr. Merrill 10:45

### Discussion

9:05 a. m. - Newsmakers (WBBM): word portrait of W. Av- 12:00 erell Harriman.

9:30 a. m. — Reviewing Stand (WGN): "What Will the Extension of Rent Control Mean?" [1:30] 10:30 2. m. → Eternal Light (WMAQ): new series on "Words We Live By;" first subject, "Am I My Brother's Keeper?"; first guest William L. Laurence.

11:30 a. m. — Round Table WMAQ): "The Schuman Plan:" Ambassador Henri Bonnet, Profs. Alan Simpson and Hans Morgen-

4 D. m. - American Forum (WIBA): at new time; "Our Transportation System-Good or Bad? Admiral Emory S. Land, Col. Robert S. Henry, Chester S. Robert S. Henry, Chester Thompson, Walter W. Belson.



9 a. m. - Destination Freedom (WMAQ): "The Angel of Federal Wind Q): The Angel of Federal
Street," story of a teacher.

I p. m.—NBC Theater (WIBA):
Moliere's "The Doctor in Spite of Himself."

3:30 p. m.--Proudly We Hall (WFOW): Pat O'Brien.

4 p. m.—My Favorite Husband (WBBM): Liz enrolls George in Word 10th anniversary. 9:30 p. m. — We Take Your Word (WKOW): Sylvia Sidney. dancing school. guest.

new series of dramas, offering prizes to home contestants for solution. 5:30 p. m.- Western Caravan (WIBA): new series starring Tex Baseball (WJJD): Athletics at Williams. Williams.

5 p. m.— \$1,000 Reward (WIBA):

7 p. m. — Sam Spade (WIBA):
guards whimsical toy maker, en(WISC): and Ezzard Charles. counters murder, 8 p. m.—Meet Corliss Archer Mayfield Pupils



9:30 a.m. — Choral Concert queline Gieshert, Jerry Lee Gul-(WISC): Wylie College choir of seth, Patty Heins, Paul Hoover, Warshall college, Tex.

9:45 a.m. — Bob Houston
(WMAQ); "Sam's Song," "Johnson Rag," "I Still Get a Thrill."

11:30 a.m. — Record Parade
(WBBM): "Swan Lake."

12 m — Chornler (WBBM); Judy Nelson, Darlene Oren, Bet-

waiian medley,
6 p.m. — Guy Lombardo
(WKOW): "Dearie," "You Won-

6:15 p.m.—University Women's Chorus (WIBA): Helen S-Thomas Blotz, conductor; Jo Anne Jaeger,

7 p.m.—Percy Faith (WKOW):

soprano; "Maracas," "Beyond the Blue Horizon."

7:30 p.m. — NBC Symphony (WIBA): Eugene Ormandy, conductor; Eugene Conley, tenor; "All Hall, Thou Dwelling," "Danny Boy," "With a Song in My Heart," Prokofleff's "Classical Symphony," Kennan's "Night Soilloquy," rumba from MacDonald's "Rumba Symphony," Enesco's "Romanian Rhausody No. 1"

Union-Endicott high school choir of Binghamton, N. Y.

8:15 p.m.—Here's to Veterans (WFOW): Harry Owens orchestra.

(WISC): new series. 9:30 p. m.—Bob Crosby (WIBA): and Kay Armen; "Hoop-De-Doo," "My Foolish Heart," college med-ley "Piano Rolf Blues" . . Turner Hall (WFOW): Armond Huseboe

### WFOW-FM 104.9 Mers. SUNDAY

Starred programs are also carried on corresponding FM stations

A. M. 8:00 Sunday Morning Vocal. 8:30 Sunday Morning Musical. 8:55 News

8:55 News
9:00 Old Time Waltzes
9:15 Polka Time.
9:30 Sonss Out of the West
9:45 Western Swing
9:55 News
10:00 Navy Band
10:15 Sacred Heart Program
10:30 Babe Ruth Story
10:45 Perry Como Sings
10:55 News
10:55 News
11:00 Bashford Methodist Church
P. M.

12:00 News
12:05 Pankage of New Records
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12:05 News Madison Hit Parade In Your Neighborhood Proudly We Hall News Off the Record

News Piano Land Later Than You Think Ken Griffin Kay Starr News News Musical Menu. News Religious Music Religious Musica

# 8:45 Barber Shop Harmony. 8:55 News 8:55 News 9:00 Guy Lombarde 9:00 Guy Lombarde 9:30 Turner Hall 9:55 News 10:00 Art Mooney 10:30 Don Pablo 10:55 News 11:00 Russ Morgan 11:30 Lawrence Welk 11:55 News (to 12:00).

WWCF (WIBU) . 94.9 M.

WFOW (FM)
194.9 Mers.
MONDAY
A. M.
8:00 Yawn Patrol.
8:30 Clockwatchers
9:00 Een Light
9:15 Herb Kern
9:30 Dance Band
10:00 Naws
10:35 Morning Variety Show
10:35 Morning Variety Show
10:35 Morning Variety Show
10:35 Morning Variety Show
10:35 Morning Variety
11:05 Polymers
11:35 Marching Along
11:45 Sacred Heart Program
12:00 News
P. M.

12:05 Memory Waltzes
12:05 Memory Waltzes
12:05 Cole Porter Review
12:45 Pessay Lee
1:05 News
1:05 Strauts Waltzes
1:05 Dusty Manuscripts
1:05 Primo Scala
1:45 Sweetheart Music
1:55 News
1:05 Record Memory Manuscripts
1:06 Record Memory Mem lecord Matines

Music Party
Smooth Music
Juke Box Jamborea
Kiddia Storytime ck Jurgena 5:00 Ken Griffin 5:15 Hit Prevue 5:30 Off the Record 5:55 News 6:00 Musical Menu

11:00 Masterworks of Musical
11:55 News
P. M.
12:00 Sunday Musicale
1:30 Song Favorites
1:45 Veteran Wants to Knew
2:00 Encore
3:00 Pro Arte Rebroadcast
3:30 Book Program
4:00 Choir Musical
4:15 Sunday Music Bour
5:15 London Forum
5:45 UN Album
5:00 Dinner Musicale
7:00 Sunday Night Concert
FM ONLY
7:30 Bunday Night Concert
8:55 News
9:00 FM Concert
10:55 Night News (to 11) News
Request Show
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Request Show
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8:15 University Of New F 8:30 Package of New F 8:45 Twilight Time 8:55 News 9:30 Wayne Kins 9:30 Benny Strong 9:55 News 10:00 Sameny Kaye 10:30 Caymen Cavalleto 10:55 News 11:00 Blue Barron, 11:30 Jan Garber 11:55 News 12:00 Ralph Flanama, 12:30 Charile Spivak (to 1:00)

## Sunday's Crossword Puzzle

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44 Unruly outbreak
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ERTICAL

panied
113 Card game
114 Article
115 To throw
117 A large ear that ulsion parrot
119 To kick
121 The Scupreme
Being
122 Vehicle
124 A catchword (pl.)
126 Pledges
127 Mark showing
omission of
letters alt ns in omission of letters 128 Animal fat 129 Visitors 131 Spanish for "yes"

133 River 134 Symbol for cobalt 136 Smallest 95 large casks
97 A wing
98 Breegy
100 Old Teutonic
alphabet sign
102 Sudden load
noise
104 Prevarience
105 Extent of
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197 Showing uss
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197 Strong
197 Strong
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1 A hook (pl.)
5 Stinging ant of Central merica.
10 Kind of cap
15 Feruvian
19 Malay
19 Malay
20 Ess-shaped
21 Ansry
22 Persian
24 Sandbank
in a river
25 To equip
26 Allow
28 Flay upon

water wheel

28 Sandbank
in a river
25 To equip
26 Allow
words
27 Class
30 Arbist's stand
31 Exists
32 Exists
33 Exists
34 Exists
35 Rants
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38 Mourns the
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40 Guido's high
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42 Rigorous
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22nd president
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130 Historical
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134 Rebounds
135 Lubricate
137 Wrenched
139 The sun
140 Man's name
144 Combining
form: dawn
145 To squirt
147 Not of scale
148 Hook money
153 Greek market
place
154 Form for 70 Insert's CRES
72 Buddhist
pillar
73 Order of whales
74 To seres
76 Surpasses
78 Releases on one's word
31 Chemical
suffix
82 Kind of cheese
64 Fish of
Brazil (pl.)
89 Part of foot
91 Heraldrio
bearing

HORIZONTAL

133 Greek market place 154 Form for hollow metal objects 156 To observe 157 Email portion 158 To atrike out 159 French sculptor 160 East Indian tree 160 Fast Indian
162 To subside
164 Suraped
165 Strangere165 Transgre165 Orope
167 Manners
166 The Japanese
deer

(Solution on Page 15, Section 2)

#### Present Recital of Lucille Mayfield presented a recital Saturday night in Esther rie Anthony, diplomas for music achievement; Nancy Faust, Barbara Faust, Jerry Lee Gulseth, Patty Heins, Delotes Mellor, Nancy Lessner, Darlene Oren, Betty Pine, Ilene Riese, Gail Sholts, Dorothy Thiesen, Margaret Storck, and Lucile Ward, honorary music SIDNEY WILLIAMS Elaine and Marie Anthony, Mary Leone Bigelow, Joanne Crary, Eleanor Epstein, Barbara Faust,

(WBBM): "Swan Lake."

12 m. — Choralier (WBBM):
"God's Country," "Cool Water,"
"Just a Cottage Small."

12:30 p.m. — Piano (WFOW): Merrill Owens' memory

ty Pine, Robert Rock, Hene Riese, Jean Root, Gail Sholts, Donna Schumann, Margaret Storck, Doro-thy Thiesen, Mary Catherine Taylor, Bonnie Wugdhan, Lyndlan

12:45 p.m. — Joey Tantillo Ward, and Judy Wiechmann.
(WIBA): "Adrian Polka," "In the
Good Old Summer Time," "LitWILDCAT REUNION tle Brown Jug."

2:30 p.m. — Plane Playhouse (WISC): returns to the schedule . . . Symphonette (WBBM): "Al-bumblatt," "Clair de Lune." 4:30 p.m. — James Melton (WIBA): James Melton and Domenica Giuliani; "A Kiss in the Dark," "Will You Remember?", "Song of the Open Road,"

Promise Me." 5:30 p.m. — Music With the Girls (WISC). "Blue Skies," Ha-

(WKOW): "Dearie," "You Won-derful You," "Stumbling," "Boo

Watertown, guest speaker; "Hark the Echoing Air," "The Snow," "Nina," "Happy Talk." 6:30 p.m. — Enchanted Hour (WGN): "Golliwog's Cake Walk," "By the Water of Babylon."

with Martha Perez, Cuban mezzo-soprano; "Maracas," "Beyond the

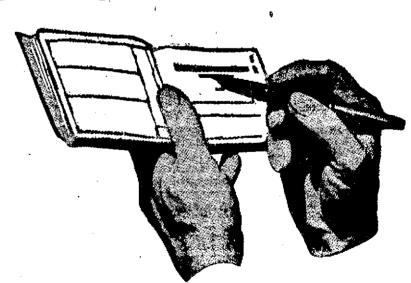
"Rumba Symphony," Enesco's "Romanian Rhapsody No. 1" . . . Kiwanis Choral Concert (V/GN):

8 p.m. — Contented Hour (WBBM): "Stars and Stripes For-ever," "Casey Jones," "Piano Roll Blues."

8:30 p. m. — Classical Hour WKOW): "Unfinished" symphony, "A Midsummer Night's Dream" 9:15 p. m. — Sammy Kaye

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