# Kallo

que and Only Station

To the left: Carl Ruopoli "Colleg-ian's" orchestra, one of the regu-lar features at CKY. Below: D. P. R. Coats, man-ager and an-nouncer at CKY,

Vol. XIII

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SATURDAY,

# BATTLE RUM WI

# **WANT PATRON SAINT** FOR RADIO SCIENCE

FRENCH PAPER CONDUCTS AMUSING REFERENDUM

Many Suggestions Submitted for Approval of Judges—Joan of Arc One of Favorites

PARIS, France.-Nearly every other art has a patron saint of its own, so why not Radio? One of the large magazines in

Radio? One of the large magazines in this city is conducting an amusing referendum to decide which saint shall be selected to take Radio under wing.

To date there are a number of strong candidates for the honor. One contributor gives lengthy quotations from the "Histoire de Saint Antoine de Padoue" in support of his choice. port of his choice.

port of his choice.

According to this history the saint while preaching in the streets of the little village of Saint Pierre des Quatre Chemins, was observed to appear suddenly in the church where he chanted the lesson of the day with great vigor. This is taken by the contributor to show that Saint Antoine at this early date had solved the problem of transmitting both his voice and his image with convincing thoroughness.

Sainte Jeanne d'Arc is proposed by many because she heard voices. But it was objected that she was only a receiver and never transmitted. Saint Antoine still seems to be leading the field, however. The contest has excited considerable interest in all parts of France.

**INSTALL SETS** IN VESSELS OF **COAST PATROL** 

Combine Code, 'Phone

Hope to Anticipate Plans of Booze Smugglers and Dry Up Eastern Ports

By L. M. LAMM

WASHINGTON, D. C.-Conviction that rum runners are using Radio communication between their boats and several illegally operated stations on shore has led prohibition officials to take steps in combatting the difficulty by a coast Radio system with which the runners

can be met on their own ground.

These stations and marine sets will provide adequate means of communication between government land stations and the fleet of chasers now attempting to blockade the flow of liquor into the eastern states.

In connection with the use of Redic

In connection with the use of Radio by liquor smugglers it is interesting to note that about a year ago a station on the west coast was dismantled after it was proven that signals for the move-ment of the smugglers were being sent, using musical numbers as a code.

(Continued on page 2)



Above is Miss Corynn Kiehl, a talented and youthful planist, who youthful pianist, who is heard regularly from the Post Intelligencer station, KJR, in Seattle, Washington. To the left: Leyla Georgy, well-known actress, who was recently interviewed by "Terese" from WGBS in New York. To the right: Ada Belle Files, singer of operatic selections, who is heard from WGN, Chicago.

CONSENSUS OF OPINION VOTE
Send to Radio Digest, 510 N. Dearborn Street, Chicago
To be forwarded by Radio Digest to the Department of Commerce for the attention of members of Congress.
Scratch off whichever does not apply.
1. Do you want less class B (500 watts or more power) stations?Yes No
2. Shall B stations be reduced to 94 in number, so that they can be
accommodated satisfactorily in the "ether roadways" now available for the use of broadcasting stations?Yes No
3. How far away, approximately, is the nearest class B station?mi.
4. Are you troubled by B stations heterodyning and interfering with
one another?Yes No
5. Have you read a description of the Kintner plan?Yes No
6. Are you in favor of it or some similar plan which will help clear the air of the present "traffic" congestion?
7. Do you favor the appointment of an unbiased, non-partisan broad-
casting control board for the settlement of all differences pertaining
to broadcasting and the interpretation of present or future Radio legislation?
legislation?Yes No 8. Include separately a list of five stations you like most and five you dislike most.
How many members Name
in your family?
Address
Are all of the same
mind as yourself? City, County, State
(Write to Radio Digest if more blanks are desired) 6-6-25

# M'NAMEE TOPS HAY IN GOLD CUP AWARD

"SOLEMN JÚDGE" TRAILS AS CLOSE SECOND

Eleventh Week Brings Many Shake-Ups -Positions of All But Two Change

Graham McNamee, New York's favorite voice and WEAF announcer, broke down the famous lead which George Hay had held till now in the 1925 Radio Digest Gold Cup Award, and at the close of last week topped the list with "The Solemn Old Judge" close behind. The unexpected has happened. Competition is growing tense.

Who will be the world's most popular announcer for 1925 when the smoke of battle has cleared? Who will be in the top sixteen?

Less colorful, perhaps, than the won-derful race McNamee is giving last year's cup winner are other changes in standing during the week. But the positions of all but two of the sixteen leaders changed

during the week.

Many Leaders Climb and Fall

The Hired Hand, WBAP, and Henry Field, KFNF, interchanged places again this week, putting the former in third place and dropping the latter to fourth. H. W. Arlin, KDKA, displaced Gene Rouse from fifth place, and left his old post, sixth, to Rouse.

sixth, to Rouse.

Lucky it would seem are seven and eleven, for the contenders who occupied those positions last week still hold them. They are Lambdin Kay, WSB, and Stanley Barnett, WOC, respectively.

W. G. "Bill" Hay, KFKX, made a recovery and climbed back from tenth to eight place. Meanwhile N. Dean Cole, WHO, came down from eighth to ninth. Charles Erbstein. WTAS, mounted two

Charles Erbstein, WTAS, mounted two rungs and now is tenth.

Three candidates whose names were not in the first sixteen last week, have made their appearance or reappearance in that group. These are Leo Fitzpatrick, WDAF, Fred Smith, WLW, and Frank S. Lane, KFRU.

Standing of Top Sixteen

The standing of the sixteen leaders with the total number of votes received at the close of last week is as follows;

Pos	ition Name and Station	
1.	Graham McNamee, WEAF	6.365
2.	George D. Hay, WLS	5.901
3.	The Hired Hand, WBAP	3.819
4.	Henry Field, KFNF	3.502
5.	H. W. Arlin, KDKA	3.138
6.	Gene Rouse, WOAW	3.101
7.	Lambdin Kay, WSE	2.716
8.	W. G. "Bill" Hay, KFKX	2.330
9.	N. Dean Cole, WHO	2,233
10.	Charles Erbstein, WTAS	1.976
11.	Stanley Barnett, WOC	
12.	Leo Fitzpatrick, WDAF	1.824
/ 13.	Jerry Sullivan, WOJ	1.821
14.	Fred Smith, WLW	1,774
15.		1,773
16.	Frank S. Lane, KFRU	1,607
The	re were no new nominati	

Evidently the 158 nominees already in the race are deemed enough by the invisible audience.

How to Vote and Get Bonus

Don't miss a single ballot, for when
these are turned in to Radio Digest in a group of CONSECUTIVE numbers, extra bonus votes are allowed the announcer for whom you are voting.

The ballots, top of page two, numbered

consecutively, will appear in each issue of the Radio Digest until the close of the contest, with the August 22 number.

Each of these ballots will count for one vote when sent in separately. You can hold these ballots until you have 4 that are consecutively numbered, and when they are sent in a bonus of 8 votes willbe allowed for your favorite announcer.

For each 8 consecutively numbered ballots your candidate will receive a bonus of 20 votes. For each 12 consecutively numbered ballots, 30 votes. For each 16 consecutively numbered ballots, 40 For each 20 consecutively numbered ballots, 50 votes, and for each 22 consecutively numbered ballots, 60 votes bonus

will be allowed.

Send nominations or ballots to the GOLD CUP AWARD EDITOR, Radio Digest, 510 N. Dearborn St., Chicago.

#### CKAC to Help Tourists

MONTREAL, Can.— Fans contemplating a trip to this city need not hesitate to bring along their receiving sets. CKAC will keep them posted as to the interesting points to visit, also the conditions of

#### British Air Performers Ask (and Get) Big Fee

Actor Receives \$1,100 for Single Radio Appearance

LONDON.—Broadcasting fees are rising rapidly here. Two years ago the British Broadcasting company offered world-famous artists as little as \$5 for "expenses." Quite recently an actor, who had been holding out for his price, was a special \$1,100 for performing in a short item. paid \$1,100 for performing in a short item in an evening's program from 2LO.

Distinguished artists belonging to the actors' Union figure that each person Actors' who listens when a person of note is performing should pay him one-half cent.

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All the Live News of Radio 1 to	6
All the Live News of Radio	5
Advance Programs for the Week	14
An Evening at Home with the Listener In, a Chart in Eastern, Central and Pacific Time, showing when to listen in for your favorite stations14 and	15
Editorials, Indi-Gest, and Condensed by Dielectric	16
Recent Advances in Radio Frequency Amplification, Part II—by Milo Gurney	17
A. B. C. Course in Radio Fundamentals, Chapter XI—Instruments of the Electro- dynamometer Type, by David Penn Moreton	19
Changing Regenerative Set to a Reflex	21
Questions and Answers	22
Directory of Radiophone Broadcasting Stations, Part IV	23
(	- 6

# Looking Ahead

WAHG, "Wait and Hear Grebe," the Station of the Syncrophase Makers, will be pictured and described in next week's issue. WAHG has many features that make it stand out apart from other stations, and is always guided by the fertile brain of Heber MacDonald, staging some novel stunt. Watch for this.

Going Further Into His Preliminary Study of Radio Frequency, which will lead to the revolutionary new method of balancing capacities around a vacuum tube, Milo Gurney, in his exclusive articles for Radio Digest, will next take up antenna compensation and the famous neutrodyne angle. Don't miss a single article of this series!

McNamee Passed George Hay in the Gold Cup Awai I this week, but will the famous announcer of WEAP's linked programs keep his lead? Things are popping in the contest. Watch for next week's standing.

What's the Solution to the Cross Word Puzzle given on page 7 this week? The solution will be published next week.

The Generation of Electrical Energy by batteries of the type known technically as primary cells—which in everyday language means all batteries other than storage—forms the basis of Professor Moreton's next "A. B. C." article.

#### Newsstands Don't Always Have One Left

WHEN YOU WANT

YOU WANT IT!

BE SURE OF YOUR WEEKLY COPY BY SUBSCRIBING NOW

Publisher Radio Digost, 510 N. Dearborn St., Chicago, Illnois.
Please find enclosed chock M. C. for Five Deliars (Six, Foreign) for One Year's Subscription to Rudio Digest, Iljustrated.
Name
Address
City

#### CONGESTION VOTING **BLANKS NOW READY**

CHICAGO.—Radio Digest's campaign for less broadcast congestion and a feasible plan for regulating the num-of stations and their broadcasting schedules, still continues to hold the in-terest of thousands of Radio listeners

from coast to coast.

Although tabulation of the "Consensus of Opinion" votes has not kept pace with the rapid influx of these ballots, it is believed that over twenty thousand of these have been returned to date. Radio Digest has prepared a large supply of printed "Consensus of Opinion" voting forms, which may be had by any listener in, Radio club or broadcasting station wishing to aid the campaign by distributions. ing and collecting these votes.

#### Worse Congestion Ahead?

Worse congestion Aneau:
With regard to the crowded condition of the air, a recent bulletin from the department of commerce in Washington states that during the past month more than one hundred applications for new wave lengths have been received from organizations and individuals contemplating the erection of new broadcasters.

ing the erection of new broadcasters.
Without the Kintner plan or some simiwithout the kinther pian of some similar device to keep these stations under control, it is pointed out that Radio listeners are likely to be greeted with more chaos than ever before.

#### FIGHT RUM WITH RADIO

(Continued from page 1)

The government land stations presented no difficulty, but to provide a set which could be installed on the cramped little chasers and withstand the hard service it must necessarily receive, proved a hard question. None, or at least very few of the chasers carry men aboard who are the chasers carry men aboatu who are familiar with Radio. No provision is made for carrying a regular operator. Apparatus would of necessity be compact and easily operated.

To meet this requirement, a special set has been designed by experts who have

has been designed by experts who have studied the conditions existing in the patrol boats.

The equipment is built to meet telephonic communication over the water for fifty miles in full daylight and telegraphic communication under the same condition for 100 miles. To fulfill the requirements for utmost simplicity, wave lengths ranging from 120 to 176 meters for the transmitters, 100 to 200 meters for the receivers, were adonted

Telegraph keys will be installed on all the sets so they may be used by those ships having personnel able to use them.

#### Will Not Hear Concerts

As it would be impractical to have the men on the boats listening in at all times, certain hours will be set aside in which orders and instructions will be interchanged. The construction of the sets is designed for official use only and cannot be used for the reception of Radio concerts because of this construction.

The first sets will be installed within a short time and it is believed that as time passes the service will be able to learn a great deal about them and that new and improved methods of operation will be

evolved from actual operation.

By this new system of communication the coast guard will be put on an equal footing with the rum runner so far as information of movement and operation is concerned in the great battle of speed

Scientists in South America are now using Radio to track down destructive worms.

# CKY, Manitoba's Unique and Only Station



# PLAN USE OF RADIO **PLOTTING COUNTRY**

AIRPLANES TO COOPERATE IN GIGANTIC TASK

Entire Project Will Take From Ten to Twenty Years—Estimated Cost \$50,000,000

WASHINGTON, D. C.—Airplanes and Radio will cooperate in plotting a complete topographical survey of the United States, work on which has been intermittently going on for forty-five years.

going on for forty-five years.

Army airplanes are to be utilized and the Radio will be extensively used for keeping in contact with these planes and receiving reports from them. This has come about as a result of the appropriation obtained at the last session of congress, and will cover annual stipends covering a period of twenty years, to complete the delayed work.

Under present plans there will be from 800 to 900 men, about 275 of whom will be experienced engineers, working continually in the field during the summer of 1925. Next year funds sufficient to keep from 1,500 to 1,800 men busy during the spring, summer and fall are hoped

the spring, summer and fall are hoped for. Estimates put the cost of the entire work, which will continue for from ten

to twenty years, at about \$50,000,000.
Herbert H. Hoover, secretary of commerce, is one of the advocates of the project. It will be in cooperation with his department that the planes will use Radio

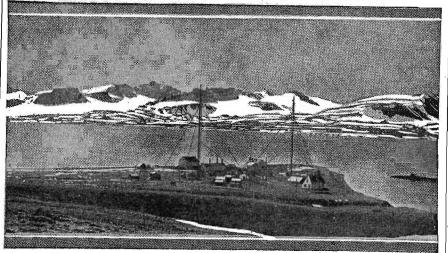
for innumerable purposes.

There is an increasing need for more There is an increasing need for more extensive and better maps for the use of air pilots. They must be guided by ground features, and flight maps must be prepared which will accurately locate such features. There is no such data for a large part of the country, and it can be obtained only by the completion of the topographical map.

Publishes Radio Photo Book

WASHINGTON, D. C.—"Vision by Radio—Radio Photo" is the title of a book just published by C. Francis Jenkins, a local Radio inventor. The book takes up the work Mr Jenkins has done along the lines of sending photographs by Radio and discusses also similar work of others.

#### AWAY UP WHERE ICEMEN STARVE



The farthest north Radio station, which has Radiotelegraph equipment only, is this group of buildings at Greens Harbour, Labrador. It is one of the stations with which the last MacMillan Polar expedition communicated, and will be in communication with the next MacMillan expedition which on June 17 will leave the United States.

#### Foreign Notes

Research work is now going forward in the Soviet laboratories at Nijni-Novgorod, where it is said extensive preparations are being made to develop high power Radio tubes of the 100-kilowatt water-cooled

One lifeboat out of every ten carried on British steamers must be equipped with Radio sending apparatus.

Radio has gripped the entire city population of Russia and is beginning to spread to the rural districts, according to reports from Moscow.

To Sheffield belongs the distinction of having the first real Radio-equipped house in England. Every room is wired for Radio.

The Radio policeman is on his rounds in Britain. When a person moves, he is tracked down for non-renewal of his

#### Arrangement Complete to Mike British Turf Classic

LONDON.—The broadcasting of the Derby, the blue ribbon of the English turf and one of the most famous races in the world, has been definitely approved by Sir William Mitchell-Thomson, postmaster-general.

Arrangements have been made to lay a line along the track and to couple this up with an existing telephone circuit half a mile away. The actual microphone will be erected by the B. B. C. at the most suitable point to broadcast the shouts of the crowd, the thunder of the galloping horses, and the hundred and one other sounds of this race of races.

#### CONTINUE SWIMMING INSTRUCTION AT WOR

Frank E. Dalton's Lessons Via Ether Prove Popular

NEWARK, N. J.—Frank E. Dalton's series of broadcast swimming instructions recently inaugurated by WOR are being continued as a regular Monday evening feature. The course by Mr. Dalton is most seasonable, and after his first few Radio lessons it is the consensus of opinion that he has the feature of investigation. opinion that he has the faculty of impart-ing instruction on a subject which might very readily be considered impractical by

To create the atmosphere of the sea-shore while broadcasting, Mr. Dalton has ingenuously brought to the studio of WOR a "wave-making" machine, similar to those used on the stage in marine

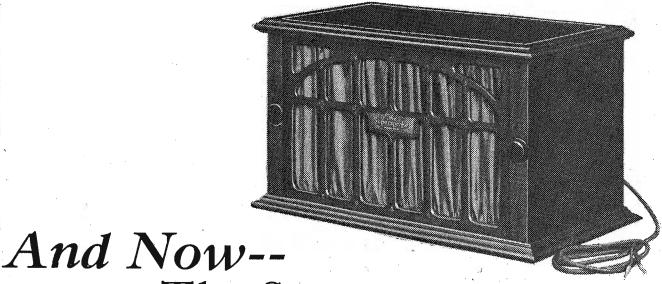
Scores of WOR listeners have written to the Dalton Swimming school to the effect that the swimming instructions have given them confidence in the water which will add materially to their enjoyment during the coming summer season.

# Motorcycle House-to-House

Testers Awaken Sleepers
JOHANNESBURG, South Africa.—
Light sleepers who were awakened at 3
a. m. by a motorcycle carrying two men
rushing madly past and returning again
in a few moments, had their anxiety and
curiosity reliaved the curiosity relieved the next day when it was learned that the men were two Radio enthuslasts who were testing the relative reception, from Station KDKA, Pittsburgh, Pa., at their respective homes, which are some miles apart in different outlying residence districts.

Station WEW Celebrates
ST. LOUIS, Mo.—A special program was recently arranged at Station WEW, St. Louis university, to commemorate the fourth anniversary of Radio-telephonic installation. WEW is a pioneer broadcasting station in the United States and the oldest station in Missouri, having entered the field April 26, 1921.

Because dust is composed partly of metal, the volume of sound in the receiver will be cut down if the inside of the set is permitted to become dirty.



The Superspeaker Console

In Performance, it's a Superspeaker—enough said. In Appearance, it's the finest piece of Radio cabinet work you have ever seen.

Just what you'd expect from two years' experiment and development by an organization with a record of leadership in the field of loudspeakers.

See it! Listen to it! Enjoy its ability to improve the appearance and performance of your set.

Of finest American Walnut or the new Clairemount Mahogany-Top inlaid with Arlington Ivory-Leather composition grill, richly draped with silk—Volume controlled by ebony knob—Superspeaker-Vemco Reproducing unit - Superspeaker-material concealed horn with full floating mounting. Overall size 101/4 x 173/4 inches, 10 inches high. Ask any Jewett dealer. Price \$40.00; west of the Rockies, \$42.50.

that the name implies. Recommended by experts everywhere. Price \$30.00.

The Jewett Superspeaker—All The Jewett Superspeaker Console—A handsome cabinet with Superspeaker performance. Price West of the Rockies, \$42.50.

The Jewett Parkay Cabinet — With parquetry top. Puts the amateur on a par with the most exclusive cabinet worker. All sizes, prices to correspond.

The Jewett Micro-Dial — Makes tuning 50 times as accurate. Fits any set. Needs only a screw-driver to install. Price \$3.50.

JEWETT RADIO & PHONOGRAPH COMPANY 5668 TELEGRAPH ROAD PONTIAC, MICHIGAN

Factories: Allegan, Michigan—Detroit, Michigan—Pontiac Michigan

Canadian Sales Offices: Walkerville, Ontario

Export Sales Offices 116 Broad St., New York City

Jewett Quality Products

The Jewett Vemco Unit—Makes a loud speaker out of your phono-graph. The Reproducer used in the Superspeaker. Price \$12.00.

The Jewett Superspeaker Highboy Houses Radio set and all-batteries. Superspeaker built in. Takes Radio into the realm of fine furniture. Price \$130.00.

# PLAN TO STOP LAKE **BOAT INTERFERENCE**

#### RECOMMEND THAT STOP BE PUT TO SPARK NOISES

Practice of Transmitting Unofficial Conversation to Be Discontinued Under New Plan

DETROIT .- One of the most important agreements that has been reached since the advent of Radio was made by officials of the American and Canadian governments in a conference held at Detroit re-cently at the instigation of the Canadian government.

Spark transmission by lake boats and land stations will be moved out of the range of the broadcast listener and his set effective midnight July 15, 1925. There is nothing in Radio that has marred Radio reception for those residing in the Great Lakes region like the broad spark transmitters that have been used in handling lake traffic.

The recommendations made by the conference will be forwarded to the respec-tive governments and undoubtedly they will be accepted. They are, as adopted: That all Canadian and American coast

and ship stations on the Great Lakes open for general public service business must be equipped to work on a wave length of 715 meters which will be the normal wave length of the station.

That the wave length of 875 meters is authorized for the handling of general public service correspondence. The use of this wave by coastal stations is op-

tional.

That communication between a coastal station and a station on shipboard or between ship stations shall be exchanged on the part of both by means of the same wave length.

That for general public service, com-munications between ship and shore and ship and ship when working with stations other than the nearest station must be on a wave length of 875 meters or higher. Communications with a distant station will not be permitted if interference with the nearby station results.

That all correspondence transmitted from a ship or shore station will be in a regular message form and copies of these communications must be placed on

The practice of transmitting notes under the prefix SVC or carrying on unofficial conversation must be discontinued,

#### Make Movies in Studio

LOS ANGELES.—At Marion Davies' recent broadcast from KFI a motion picture record was made of the event. The entire department is wired for moving picture lights, and may be converted into a motion picture studio within a few

#### WOOD TELLS ABOUT THEATER FROM WBZ

A JOLSON is a nationally known celebrity of the footlights. The inimitable black-face comedian is known and admired by theatergoers the country over. But



after one sees him star in one of his productions that is the last one sees of "Al" Jolson. What does he do after the performance? Does he talk of into be on the stage, a natural comedian?

Many theater goers ask the same other illustrious stars of the drama or musical comedy stage, but for the

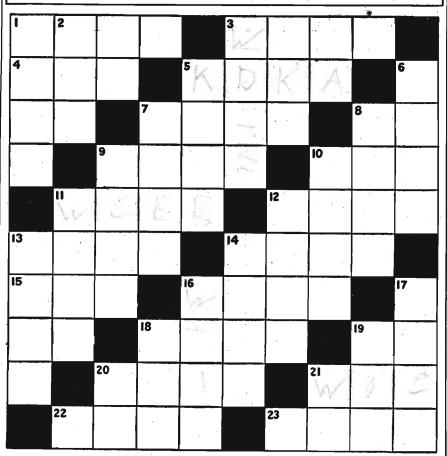
most part these queries go unanswered for years, unless one is afforded the

members of the stage fraternity.

A. L. S. Wood, dramatic critic of the Springfield Union tells about them once every week at Westinghouse Station WBZ at Springfield. Mass

Mr. Wood personally reviews every current theatrical production in the metropolitan cities once every so often. He interviews the actors, and every Thursjects given were worked out for the fifth, interviews the actors, and every Thursday night at WBZ he tells the listeners of the shows he has seen. And he relates intimate chats with the show people. He entitles his talks "At the Theaters," or "Down the Center Aisle," and they are appropriately named for they put the public right in the center aisle from where they can satisfy their curious minds as to "Al" Jolson or any other show-man of their fancy. show-man of their fancy.

#### KNOW YOUR SLOGANS? SOLVE THIS



HIS cross-word puzzle was sent in by F. V. Chagnot of Youngstown, Ohio So far as is known, it is the first one using station call letters and slogans exclusively in the solution. The interlock is not perfect, but that is an impossibility because with one or two exceptions, all stations use calls of three or more letters. Despite this fault the puzzle is interesting and should furnish quite a little sport and some teasers.

The solution will be published next week.

#### HORIZONTAL

- "Quality First."
  "The Island of Enchantment—Where
- the World's Best Coffee Grows."
  "The Land of Eternal Summer." "The Pioneer Broadcasting Station of the World."
- 7. "Working for All Alike."
  9. "The Voice to the Millions."
  11. Big Brother of "Willie, Tommie, Annie and Sammie."
- nie and Sammie."
  "The Heart of Ohio."
  "United States Playing Card Co."
  "The Voice of the Great Lakes."
  "L. Bamberger & Co."
- "The Voice of the North Country."
  "Something for Everybody."
  "On the Dells of the St. Croix."
- "Where the West Begins and the State
  Where the Tall Corn Grows."
  "Three Weeks Below Quebec, Where
  Civilization Nearly Ends."
- "The City Beautiful on the Old Mississippi."

#### 1. "Where Prosperity Begins.";

- "World Crier." "Night Hawks."
- "Your Service Station."
- "The Voice from the Heart of the Commonwealth." "The Friendly Voice."

VERTICAL

- "Lincoln Hoot Owls."
  "Royal Order of Prevaricators."
- "Where God Rules, Man Prospers."
- "In the Land of the Sky Blue Waters." Where All the Oceans Meet All the
- Railroads." "Acknowledged by All Others to Be the Second Best Mining College in
- the World."
- "The College on the Hill."
  "The Voice from the Storage Battery."
- "Voice of the Prairies."
- "The Voice of the Capitol."
- "The Sunshine State of America."

#### RADIO TEACHER IS NEW PROFESSION

#### Inaugurate Broadcast Instruction as Integral Part of Schooling at Oakland

SAN FRANCISCO.—Classroom instruc-Does he talk of interesting topics? Is he a thinker, or is gral part of the Oakland (California) he as he makes out to be on the stage, a natural comedian?

Many theater goers ask the same questions about each of her illustrious stars of the drama stars of the drama a regular thing, under careful superor musical comedy vision. vision

During the past year experiments were carried out with the cooperation of KGO, the Pacific Coast General Electric Station, located here, covering the general subjects of "Science," "Arithmetic," "Drawing," "Penmanship," "Creative Composition," "Thrift," "Vocational Counseling," "How to Read a Book," and "Manual Activities." Results attained sixth, seventh, eighth, ninth and tenth grades, with good success, according to Dr. Virgin Dickson, head of the Research Department of the Oakland schools.

Each lesson broadcast was carefully prepared by an expert, a supervisor particularly skilled in his or her subject. Days were spent on a single lesson which required sometimes not more than fifteen minutes to give over Radio. All instruc- street in Dallas.

tors went to the KGO studio to teach their invisible classes. Proper notices, and instructions, were sent out by the department to ten principals whose schools were officially selected to listen in during the experiments.

#### Dallas Plans Greater **Broadcasting Station**

#### New Westinghouse Plant to Replace Old WRR

DALLAS.—Donations of more than DALLAS.—Donations of more than \$12,000 have already been received for the construction of a new municipally owned Radio broadcasting station for Dallas, Texas, which will replace the old plant, WRR, recently condemned because of its

unfitness for further use.

WRR was the first municipally owned station in the United States and the station in the United States and the second oldest in the world, according to a dispatch from the southern city.

A dispatch from the southern city.

station in the second oldest in the world, according a dispatch from the southern city.

The erection of the new plant was decided upon after the matter had been discussed by a committee of business men discussed by a committee of business me Turley. The new installation will be of the Westinghouse make, with a capacity of 1,000 watts, and will cost approxi-mately \$18,000. Its construction will em-body all the most advanced principles in

# GERMANY IS HIGHLY ORGANIZED IN RADIO

LISTENERS PAY LICENSE FEE OF \$25 ANNUALLY

High School Courses and Operatic Airs
Part of Programs—Artists
Paid for Services

BERLIN, Germany.—Radiocasting in Germany is an entirely different proposition to what it is in America, or even in other European countries. The receiver's license costs \$25 a year, and it is collected weekly by a government official, who has power to confiscate the set of any license-holder who is in arrears with his license-holder who is in arrears with his payments and hold it until he is clear on the books again.

The twenty broadcast stations in opera-tion are all owned by the government, but are leased to private companies, which are required to organize their programs on a much more elaborate scale than is the case in England.

#### Obtain Best Music

For his \$25 the licensee has access to all the best music in Germany. The great operas are transmitted in full from principal opera houses, and the Berlin Philharmonic orchestra and other famous bands are always available.

Some of the stations have organized opera companies, which perform in miniature opera houses with full orchestras and accessories, and high fees are paid to secure the best artists.

High school courses are a regular feature, and here again no expense is spared in securing the best available educationists on every subject. Eight different languages are taught in these courses and almost every branch of science. Thus for fifty cents a week a university curriculum is open to all.

Advertisements are transmitted freely at certain intervals, but no fan is allowed to listen to news for fear it should injure the newspapers.

#### Deny Secret Two-Way Radio Communication

#### Claim Experiments Are But Continued Research

– Sir William Mitchell-LONDON. Thomson, British postmaster-general, has issued a complete and emphatic denial of the statements circulated recently that two-way Radio telephonic communica-tion has already been established between America and England by means of a new

william. "The experiments so far made are a continuation of those announced to the press in May, 1924."

#### RADIO CLOWN PLANS TO ENCIRCLE WORLD

HICAGO.—Bert Davis, "The Clown of the Air," is leaving Chicago June 14 for a globe-encircling motor tour of all principle broadcasting stations in the United States, Australia, Asia, Continental Europe and

tinental Europe and England. Accompa-nied only by "Stat-ic," a brown mongrel dog who likes everything but horses, Mr. Davis will go in his es-pecially equipped touring or first car touring first through the East, arriving in New York in late July.

His itinerary then will bring him back to Chicago in the middle of August, from where he will tour the Middle West, Rocky Mountain states, and the Pacific coast. His western goal will



tramp—like mysen.
"The Clown of the Air" career as a performer when as a youth he joined a circus as an acrobat. He almost became a dare-devil in a loop act but was nearly drowned in a river in his first attempt. Casting aside body all the most advanced principles in Radio design and is expected to take its place as the finest broadcasting plant in the South. As yet no date has been set for the start in construction.

Suggestions for a slogan to be used in broadcasting are asked. They may be sent to W. J. Reid at 1603 Commerce street in Dallas.

has on its top two miniature broadcasting station towers.

# WSAI GIVES ANNIVERSARY PROGRAM

#### Saturday, June 6

Saturday, silent night for: AT9, CFAC, CHIC, CHNC, CHYC, CNRT, CKY, KFAE, KFDM, KFKU, KFKX, KFMQ, KFMX, KFRU, KIR, KLDS, KLX, KOB, WBAP, WBAV, WCAU, WCBD, WCX, WDWF, WFAO, WBJ, WEBI, WGR, WHA, WHAD, WHAZ, WHB, WHO, WIY, WKAQ, WLIT, WOAN, WOI, WRBC, WTIC, WWJ.

#### Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Can. (410), 7:30 p. m., Harry Salter and his Windsor hotel concert orchestra; 8:30, talk on the attractions of the Province of Quebec; 10:30, Harold Leonard's Red Jackets.

CNRO, Ottawa, Can. (435), 7:30 p. m., Uncle Dick; 8,



Lon Chassy, director of the Meyer Davis orchestra, is a violinist of national repute. He is well known in the South The well known in the South. The Meyer Davis orchestra is a special Sun-day feature at KTHS, Hot Springs Na-Springs Na tional Park.

Chateau Laurier concert orchestra; 9, J. Hughes Johnson, pianist; Ernest Botton, bass; French horn solos, Simpson Green; Jean Boyle, soprano; bagpipe solots, Piper Sam Scott; F. J. Horning, violinist; reading, Piper Sam Scott; F. J. Horning, Violinist, Joannes, Jean Boyle.

WAHG, Richmond Hill, N. Y. (315.6), 12-2 a. m.,

dance music.

WBBR, New York, N. Y. (272.6), 8 p. m., Dr. Hans
Haag, violinist; 8:10, Fred Twaroschk, tenor; 8:20,

Bible questions and answers; 8:45, Dr. Hans Haag,

dance muslc.

WBBR, New York, N. Y. (272.6), 8 p. m., Dr. Hans
Haag, violinist; 8:10, Fred Twaroschk, tenor; 8:20,
Bible questions and answers; 8:45, Dr. Hans Haag,
violinist.

WCAE, Pittsburgh, Pa. (461.3), 6:30 p. m., dinner concert,
WCAU, Philadelphia, Pa. (245), 6 p. m., Hotel Pennsylvania inter-fraternity dance orchestra; 8, recital;
10:30, Charles Verna's dance orchestra.

WEAF, New York, N. Y. (491.5), 6-7 p. m., dinner
music, Waldorf-Astorla; 7-7-15, Lulu Phillips, soprano; 7:15-7:30, Maurice Nadelle, planist; 7:30-7-50,
"Trips and Adventures," Fred Turner; 7:50-8, Jules
Schwarz, baritone; 8-8-15, Maurice Nadelle, pianist;
8:15-8:45, Huyler's Foremost Four; 8:45-8:35, Jules
Schwarz; 8:55-9:25, Dalsy Jean tric; 9:25-10:15,
Mascato vocal ensemble; 10:15-10:30, Ralph Reichenthal
planist; 10:30-11, humoreus half hour; 11-12, Vincent
Lopez's Hotel Pennsylvania orchestra.
WFI, Philadelphia, Pa. (394.5), 3 p. m., Delco plano
quintet; 4:30, Haggas Collegians dance orchestra; 6,
Rey Elizae and his orchestra; 6:30, Bellevue Stratford
concert orchestra; 7, hedtime storles; 8:30, chorus redition of "Song of Songs;" 9:30, Mandolin orchestra.

WGBS, New York, N. Y. (315.6), 6-6:30 p. m., Uncle
Geebec; 6:30-7, the Amphinons; 7:30-8:30, Armand
Vecsey concert orchestra; 8:30-9, Adelina Vassri, soprano, and Mararert Hamiln, pianist; 9-9:30, Paul
Ross, violinist; 9:30-10, Clare Schaeffer, bass; 10-10:30,
Koltan piano quartet; 10:30-11:30, California Ramblers.

WGR, Buffalo, N. Y. (319), 2:30-4:30 p. m., Seaide
hotel tric; 9, Sheburne hotel concert

WHN, New York, N. Y. (360), 7:30-7:35 p. m., health
talk, Dr. Landis; 8:30-9, Strand Roof orchestra.

WJAR, Providence, R. I. (305.9), 7:05 p. m., studio
hotel tric; 9, Sheburne hotel concert.

dance orchestra. WJAR, Providence, R. I. (305.9), 7:05 p. m., studio

program.

WJZ, New York, N. Y. (454.3), 4-4:02 p. m., baseball scores; 4:02-4:30, Marvellan Secenaders; 4:30-4:32, baseball scores; 4:32-5:30, tca music; 5:30-6:32, baseball scores; 5:32-6, dully reports; 8-8:02, baseball

worres.

WLIT, Philadelphia, Pa. (394.5), 4:30 p. m., dance orchestra; 7:30, Arcadia cafe concert orchestra.

WMCA, New York, N. Y. (340.7), 8:15-8:25 p. m., talk, House of Health; 11-12, McAlpin hotel orchestra; 12-12:30 a. m., Broadway Bright-Lights.

WNYC, New York, N. Y. (526), 7-7:25 p. m., Chateau Four; 7:25-7:30, baseball results; 7:35-7:45, talk; 7:50-8:30, Chateau Four; 8:30-9, song rectals; 9-9:30, Police quartet; 9:45-10:15, instrumental novelty.

WOO, Philadelphia, Pa. (508.2), 4:45 p. m., organ recital, Mary E. Vogt; 7:30, A. Candelori's concert or-

chestra.

WOR, Newark, N. J. (405.2), 7:30-8 p. m., the Commanders; 11-12, Ctro's orchestra.

WPG, Atlantic City, N. J. (299.8), 6:40 p. m., final announcement winner of National Marble Tournament; 6:45, Arthur Scott Brook, organist; 7, Knickerbocker hotel dinner dance music, Bert Estelow, director; 8:30, special program, Vernon Room, Chalfonte-Haddon

#### Headliners of the Week

A FEAST of music, features and fun is promised by Station WSAI from 4 p. m. Saturday until 4 a. m. Sunday morning, celebrating this station's second birthday and increase in power to 5,000 waste. All Circumstations in weight organic watts. All Cincinnati musical organizations will be represented. The Nitecaps on Lake Erie are ready to cruise again this Saturday night, and it promises to be a wild night for the ether waves.

for the ether waves.

Musicians interested in musical history will enjoy the primitive Russian program given Sunday by Lola Hughes, violinist, and Elfrieda Steindorff, soprano, assisted by the KGO Little Symphony orchestra. Arthur S. Garbett will explain the works of those carly Russians

these early Russians.
President Coolidge is honoring the Norse-American Centennial by appearing in person at the Minnesota State Fairgrounds. His talk, which is scheduled for 2:30 p. m. Monday will be broadcast by WCCO. The

United States Marine band will play.
Tuesday Lucia de Lammermoor will be presented by the WEAF Grand Opera company. WEEI, WFI, WCAE, WEAR, WGR and WWJ will

broadcast this performance. Fans who miss the winter opera are enjoying these rare weekly treats. An Indian program illustrating the progress of the Indian in Iowa will be the Tuesday feature at WHO.

A Wampus program composed of thirteen new motion picture beauties will be the feature of the Wednesday program at KFI. Marie Dutton, a comedienne whose joyous stunts are popular in the East, will frolic

at WBZ this same evening.

The Seaside hotel trio and the Shelburne hotel concert orchestra will remind fans of sweet breezes and the swell of ocean waves at Atlantic City when they broadcast Thursday at WHAR. CNRM will also subtly remind the complacent fan that there are fascinating lands afar by featuring the White Star-Dominion Line orchestra.

Lovers of old-time songs will enjoy the Emmet Welch's Minstrels Friday at WLIT, Philadelphia. The Man-guso family will entertain at WGR this same evening. Little Mary and Mike, whose pictures may be seen on page 11, are only two members of this talented family.

organist.

WAMD, Minneapolis, Minn. (243.8), 9 p. m., open house night, Twin City entertainers; 10, Amateur night program; 11, George Osborn's Marlgold garden or-

chestra.

BAP. Ft. Worth, Texas (475.9), 7 p. m., inter-denominational Sunday school lesson, W. F. Barnum. denominational Sunday school lesson, W. F. Barnum.
WCCO, Minneapolis-St. Paul, Minn. (416.4), 6:05 p. m.,
Dick Long's Nankin cafe orchestra; 8:30, musical program,
South Dakaga program, Gov. Carl Gunderson;
Senator Peter Norbeck; 9, baseball; 10, Dick Long's
Nankin cafe orchestra.
WDAF, Kansas City, Mo. (365.6), 6-7 p. m., address,
personal message, Roger W. Babson; Trianon ensemble;
11:45-1 a. m., Merry Old Chief, Plantation player;
Johnnie Campbell's Kansas City club orchestra.
WFAA, Dallas, Texas (475.9), 6:30-7:30, Reuben Davles,
plants; Dalls, Texas (475.9), 6:30-7:30, Reuben Davles,
plants; Dalls, Texas (475.9), kinger; 11-12, Adolphus hotel
Orchestra.

8:40 p. m., baseball results; 8:40-9:30, Lawson Reid organist.

orchestra. WHAS, Louisville, Ky. (399.8), 3:15 p. m., baseball;

Pred J. Turner is heard every Saturday evening from WEAF, New York, in an interesting series of talks called "Trips and Adventures." Tune in and learn how to become the to become the οf vagabond

today.



7:30-9 p. m., Arthur Findling, baritone; baseball.
WLS, Chicago, Ill. (344.5), 8-1 a. m., national barmdance, Ralph Emerson, organist; Tony Corcoran, Margaret Garrity; Sears-Roebuck 4 Aces of Harmony; Williamson Brothers; Harmony Girls; Walter Peterson; WLS Harmony trio; Nubs Allan, contraito; Grace Wilson, contraito.
WMC, Memphis, Tenn. (499.7), 7:30 p. m., baseball; 8:30, program, Elizabeth Hill.
WOAN, Lawrenceburg, Tenn. (282.8), 12:15-12:45 p. m., Yaughan Radio orchestra.
WOAW, Omaha, Nebr. (526), 6 p. m., George Haupt. organist; 6:20, Ralio symphony orchestra; 7, Brandeistea room orchestra; 7:30, weekly address, Omaha Chamber of Commerce; 9, program; 11:15, Arthur Hays and his organ jubilee.
WOC, Davenport, Iowa (483.6), 9-10 p. m., Blackhawk hotel orchestra; 10:42, Lonis Connor and his LeClaire hotel orchestra; 10:42, Lonis Connor and his LeClaire hotel orchestra; Peter MacArthur, baritone.
WSB, Atlanta, Ga. (428.3), 5-6 p. m., bedtime story, Bonnie Barnhardt; Criterion Harmony four; 6, Sunday School lesson, Dr. Marion Hull; 8-9, week end revue; 10:45, Journal Hired Help Skylark.
WSMB, New Orleans, La (319), 6:30-7:30 p. m., dinner music; baseball; 8:30-10:30, concert.

Mountain Standard Time Stations

#### KOA, Denver, Colo. (322.4), 9-12 midnight, Joe Mann and his Rainbow-Lane orchestra. Pacific Standard Time Stations

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467), 5:20-6 p. m., Examiner's matinee program; 6-6:15, McDantels' nightly doings; 6:45-7, raditorial talk; 7-7:30, vocal pupils, Myra iselie Vickers; 7:39-7:45, Oscar Teel, concert bartione; 7:45, the Bookshelf, Miss Nancy; 8-9, Glendale, Calif. Chamber of Commerce from Examiner studic; 9-10, old folks evening at home, arranged by Glen Ricand George Frener; 10-11, Packard Radio club, Way Watts and his ukulele, Carlson sisters, Dorothy Cleveland and others; 11-3 a. m., KBI midnight frolic, arranged by Don Mean.

KWB. Hollywood, Calif. (252), 7-8 p. m., Vince Rose's original Hollywood Montmarte cafe dance orchestra; 8-9, program, Monte Mar Vista subdividers; 9-10, popular song hour, Charlie Wellman, Erickson sisters; Frank Stever and others; Warner Brothers syncopators 10-11, Warner Brothers frolic, direction Charlie Wellman, KGO, Oakland, Calif. (361.2), 8 p. m., Swedish Slaging

Savens, Brain Storet and States, Watter Brothers Syncopators 10-11. Warner Brothers frolic, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2), 8 p. m., Swedish Singing society, Axel Pihlstrom, director; Thorvald Anderson, violinist; Herbert Linden, vocalist; Arthur Weiss, cello ensemble; Virginia Treadwell, contraito; Emil Lichtig, barltone; "The Gug That Delivers the Goods," Thomas A. Boyer; Ethel Isaacs, violinist; Matilda Spross, soprano; 10-1 a. m., Henry Halstead's orchestra.

KGW. Portland, Ore. (491.5), 6-8 p. m., dance music, Jack Souder's orchestra; 10-12, Herman Kenin's Multnomah hotel dance orchestra?

KHJ. Los Angeles, Calif. (405.2), 5:30-6 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader; 6-6:30, Art Hickman's Biltmore hotel concert orchestra, Edward Fitzpatrick, director; 6:320-7:30, little stories American history, Prof. Walter Sylvester Hertzog: Helene Plerle, screen juvenile; Henrietta Poland, readings; Unele John; Selina Sizer, soprano; Evelyn Potter, planist; Opal Key, readings; 7:30-8:15, national oratorical contest winners broadcast, Biltmore hotel; 8:15-11, program, Los Angeles Soap company, arranged by J. Howard Johnson; presenting a milature philharmonic orchestra; 11-11:30, Art Hickman's Biltmore hotel dance orchestra, Earl Burtnett, leader; 11:30-2 a. m., Lost Angeles of KHJ, Majestic Six orchestra.

(Continued on page 9)

(Continued on page 9)

hall; 10, Steeplechase Pier dance orchestra; 11, Knick-erbocker hotel dance orchestra.

#### Eastern Standard or Central Daylight Saving Time Stations

KDKA, Pittsburgh, Pa. (309.1), 3:30-7 p. m., baseball scores; 8:45. concert.

KYW, Chicago, Ill. (535.4), 6-6:30 p. m., dinner concert, Congress hotel; 7-8, Mrs. Edna M. Grindon, soprano; Arthur W. Blake, tenor; Henrletta Nolan, violinist; Pearl Fairchild, planist; 8:35-10:30, Congress classic.

PWX, Havana, Cuba (400), 8:30-11 p. m., studio program.

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WEAR, Cleveland, Ohio (389.4), 7-8 p. m., novelty dinner concert.

WEBH, Chicag. III. (370.2), 7.30-8.30 p. m., Edge-water Beach Hotel Oriole orchestra 9.30-10.30, Oriole orchestra, Maria Kelly, reader; Kay Ronsyne; Langdon Brothers; 11.30-1, Oriole orchestra: Loos Brothers; Frank Gyun, Banks Kennedy, Ned and Ches, William (1998), 11.30-1, Oriole orchestra: Loos Brothers; Frank Gyun, Banks Kennedy, Ned and Ches, William (1998), 11.30-1, Oriole orchestra: Loos Brothers; Earl Kerner, Bertic Gordon, soprano; Beulah Layden, violinist; Earl Wettland, pianist; 10:30-1, A. Cavallo and his 11 Master musiclans; Coyne Electrical School serenaders; Ralph Olson, Hal Cowies, pianists; Sandy McTavish, Scotch comedian.

WGN, Chicago, III. (370.2), 6:30-7:30 p. m., Drake concert ensemble, Blackstone string quintet; 8:30-9:30, studio program; 10:30-11:30, Drake Hotel Terrace Garden program.

WGY, Schenectady, N. Y. (379.5), 8 p. m., "The Living Age," William Jacob; 8:30, Hotel Van Curler orchestra.

Age," William Jacob; 8:30, Hotel van Curier orchestra.
WHT, Deerfield, III. (399.8), 7-8:30 p. m., Genevieve B.
Burnham, soprano: Bryce Talbot, baritone; Robert
Nead, pianist; Al Carney, pianist; 8:45-10:05, (288)
Elmer Kniser's Riverview Park baliroom orchestra,
Al Carney, organist; 10:30-1, (399.8), Husk O'Hare's
Red Dragons; Al Carney, organist; Walker and Walsworth; duets, Wilkens and Martens; Si Berg, ukulele;
Ned Becker, humorist; Lottle Friedman, soprano;
Herble Mintz, planist; Pat Barnes, reader; John
Clark, vocalist; Al Carney, organist.

Willo, Moseheart, Ill. (302.8), 10:30 p. m., P. M. Proteau, Golden trio, Sid Erdman, Edward Greaning, violinist; Angelina George, Geneva organ, Charley Straight's orchestra.

womnis; Angelina George, Geneva organ, Charley Straight's orchestra.

WKRC, Cincinnati, Ohio (422), 10 p. m., Zumstein Melody boys; 11, popular program.

WLW, Cincinnati, Ohio (4223), 7 p. m., WLW dinner hour concert; Johanna Grosse, organist.

WMAQ, Chicago, Ill. (447.5), 6 p. m., Tilden Technical high school glee club; 8, Russell Fratt, Fred Daw; 8:30, Radio photologue, Finland; 9, Chicago theater.

WMBB, Chicago, III. (250), 7-8:30 p. m., semi-classical program, J. Bodewalt Lampe; Beatrice Teller and Trianon ensemble; Ambrose Wyrick, Riba McFawn, Hazol O'Neil; Armin F. Hand and the Woodlaws theater orchestra; 8:30-10:30, gala syncopation program, Dell Lampe and Trianon orchestra; Seattle Harmony Kings; Fisher and Smith, Harold Stokes, Charles Agne & Trianon syncopators, Florence Tenny, Johnnie Keane, Bob Duffy.

WORD. Batavia. III. (275), 8:30 p. m., orchestra music, Golden Age readings.

WQI, Chicago, III. (447.5), 7-8 p. m., Baloh Williams and his Raimbo Gardens orchestra; Everett George Opic, reader; Sheppad Levine, tenor; Helen Reed, accompanist; Doris and Johnson; Bert Davit; Glady; Garden orchestra; Jerry Sullivan; Rose Vanderbosch; Melodians; Hickey and Johnson; Bert Davit; Glady; Gale; Henri Therten, Joe Verger.

WRC, Washington, D. C. (468.5), 7 p. m., Hotel Washington orchestra; 8. Bible tak; 10, Hotel Mayflower orchestra; 10:30, Crandars Saturday Nighters.

WREO, Lansing, Mich. (255.5), 10-12 midnight, Essenberg's Melody dance orchestra, baseball.

WSAI. Clicinnati, Ohlo (325.9), anniversary, program, 4 p. m., WSAI Radio chime concert, Robert Badgley; 4:10, Vox Ferro, solos, Robert S. Alter; 4:25, Mrs. Stella Kent, soprano; Marjorie Bland, accompanist; 4:40, popular songs; Groenke and Mischler; 5. WSAI Radio chimes; 5:15, address, John Omwake; 5:20, Krs. Stella Kent, soprano; 5:30, Edythe Tolken, violinist; 5:40, John Drury, baritone; 5:50, artist faculty, Cincinnati Conservatory of Music; 6:20, WSAI story lady, Mrs. Ethel Knapp Behrmann; 6:30, Hotel Sinton concert orchestra; Mrs. Edith Michaux Greene, soprano; 7:30, Elizabeth Durland Langhorst, soprano; 7:45, Lillian Tyler Plogstedt, organist; 8:45, Congress Playing Card string quartet; Ruth Heubach, soprano; 9:45, Cincinnati College of Music, Erich Sorantine, violinist; Frederick J. Hoffman, planist; 10, "Radio as an Educator," Dr. Frederick C. Hicks; 10:25, Clifford Lang, planist; 10:45, Grand hotel instrumental trio; Helene Kessing, soprano; George Clifford Cook, barltone; 11:40, address, Paul A. Greene; 11:50, Breda Sanker's Toadstool orchestra; 1:20, popular songs, Bert Lindsay, Kern Alyward, Billie White; 1:50, Freda Sanker's Toadstool orchestra; 2:40, songs, Conver, Wintersohl.

WTAM, Cleveland, Ohio (3

WTIC. Hartford, Conn. (348.6), 5:55 p. m., baseball scores. WWJ, Detroit, Mich. (352.7), 3 p. m., Detroit News orchestra.

#### Central Standard Time Stations AB, Lincoln, Nebr. (240), 11-12:30 a. m., midnlght

KFAB, Lincoln, Nebr. (240), 11-12-30 a. m., mannant rounders.
KFNF, Shenandoah, lowa (266), 7:30 p. m., Holder-McElroy Old Time Tieklers.
KFRU, Bristow, Okla. (394.5), 7:30-8 p. m., International Sunday school; 9-12, music.
KFVE, University City, Mo. (240), 6-7 p. m., Radiocast Review of theaters, Romaine Fielding; 10, dance music, Orchestra Romaine; studio song entertainers; Steve and Lee; Ted and Marty.
KSD, St. Louis, Mo. (545.1), 7 p. m., Grand Central theater; 8:30, dance music, City club.
KTHS, Hot Springs National Park, Ark. (374.8), 8:30-



Marjorie Moore's Melody Maids are weekly entertainers at WEAR, Cleveland. The girls with their varied programs of classical and jazz numbers have always been popular with WEAR andiences. They are as attractive to look at as they are to listen to.

# NITECAPS CRUISE AT WTAM SATURDAY

#### Saturday, June 6

(Continued from page 8)

(Continued from page 8)

KNX, Hollywood, Calif. (336.9), 5:30-6 p. m., Wurlitzer pipe-organ studio; sports talk, Sid Ziff. 6:15-6:30, travet talk, W. F. Alder; 6:30-7:30, dinner hour music; 7:30-8, Wurlitzer pipe organ studio; 8-10, KNX feature program; 10-11, Abe Lyman's Cocoanut Grove dance orchestra; 11-2 a. m., Hollywood screenland night.

KPO, San Francisco, Calif. (428.3), 6:30-7:30 p. m., Johnny Buick's Cabirians; 8-12, Art Weldner's dance orchestra.

Sunday, June 7

Sunday, silent night for: CFAC, CFAC, CKAC, CHIC, CHNC, CNRT, KFAB, KFAE, KFKU, KFKX, KFMQ, KFRU, KFOA, KOB, KSD, PWX, WAHG, WBAV, WCAE, WCEE, WDAF, WOWF, WEAO, WEBJ, WEBW, WFI, WGBS, WHA, WHAD, WHAS, WHAZ, WIP, WJAD, WLBL, WLIT, WMC, WOI, WOO, WOR, WRC, WSAI, WSMB, WTAM.

Atlantic or Eastern Daylight Saving

Time Stations

WBBR, New York, N. Y. (272.6), 10 a. m., Watchtower orchestra; 10:15. Fred Twaroschk, tenor; 10:35. Bible lecture, R. H. Barber; 11:15. Fred Twaroschk, tenor; 11:15. Watchtower orchestra; 9 p. m., Immanuel choir, instrumental trlo, choir.

WBZ, Springfield, Mass. (33.3), 9:55 a. m., Church of the Unity, Rev. Charles A. Wing; Philharmonic male quartet; 8, Pierlan trio; 8:30, Estye organ company concert.

wCAE, Pittshurgh, Pa. (461.3), 6:30 p. m., dinner concert, William Penn hotel; 7:20, Roxy and his

WCAU, Philadelphia, Pa. (245), 5 p. m., Interdenomina thonal church services, Rev. John W. Stockwell, pastor, Maude Hanson Pettit, musical director; 6 p. m., Hotel Pennsylvania concert orchestra; 7, Hotel Pennsylvania concert orchestra; 7, Hotel Pennsylvania concert orchestra.

WEAF, Providence, R. J. (440,9), 5 p. m., Venetian serenaders, plipe organ recital.

WEAF, New York, N. Y. (491,5), 3-5 p. m., "Sunday Hymn Sing," Federation of churches; 7:20-9:15, Roxy and his gang, Capitol theater; 9:15-10:15, organ recital, W. A. Goldsworthy, St. Andrew's Episcopal church choir.

KDKA, Pittsburgh, Pa. (309.1), 10 a. m., First Church of Christ Scientist; 3 p. m., Dr. Charles Heinroth, organist; 3:45, Shadyside Presbyterian church; 6:30, Calvary Episcopal church, 10 a. m., Central church KYW, Chicago, III. (535.4), 10 a. m., Central church service; 3-4 p. m., studio concert.

WBEM. Chicago, III. (220), 4-6 p. m., Doney's All Star Jazz orchestra; Harold Winston, tenor; Si Berg, ukulele soloist; Charlie Garland, pianist; Jerry Cromack; 8-10, Sandy Meek, Scotch tenor; Harry Sosnik, pianist; Ned Santry, Crilion orchestra, Lester Kelsey, Si Berg, Tiny Dave Nudelman; 12-1, midnight nut club frolic, Ralph Atlass, Tiny Dave Nudelman, Charlie Garland, planist.

WCX, Detroit, Mich. (516.9), 7:15 p. m., services, Central Methodist Episcopal church.

WEBH, Chicago, III. (370.2), 7-9 p. m., artists program.

and the Boss's Own orchestra; 8-12, Radio concert, Joe Rudolph and the Boss's Own orchestra; Frank Morris, Polly Willis, Fannie and Eddie Cavanaugh.

Central Standard Time Stations

Central Standard lime Stations
CKY, Winnipeg. Can. (384.4), 7 p. m., Central Congregational church
KFAB, Lineoin, Nobr. (240), 4-5 p. m., church service.
KFDM, Beaumont. Tox. (315.6), 11-12 m., program;
8-9 p. m., sacred program.
KFNF, Shenandesh, 1a. (26), 2 p. m., Rev. and Mrs.
Hanley, Radio chaplains; 6:30, Golden Rule circle; 8,
Christian church.
KFRU, Bristow, Okla. (394.5), 9:30 a. m., Sunday
school; 11, sermon; 5 p. m., vesper service.
KFVE, University City, Mo. (240), 6 p. m., Radiocast
review, Romaine Fielding; 10, sacred song recital;
William Kerr, organist.

WRBC, Valparaiso, Ind. (278), 7:30 p. m., Immanuel Lutheran church services.
WSB, Atlanta, Ga. (428.3), 11 a. m., First Presbyterian church service; 5-6, Sabbath service, Brazelton, Ga., quartet; 7:30, services.

Mountain Standard Time Stations KOA, Denver, Colo. (322.4), 11:30 a. m., Augustana Lutheran church; 4 p. m., Augustana Lutheran church; 8, Augustana Lutheran church; Pacific Standard Time Stations

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467), 6:30, p. m., McDaniels'
nightly doings; 6:45, musical appreciation talk; 7-8,
from stage and studio of Mctropolitan betater with
45 piece concert orchestra; 8-9, Sunday classic hour
of Italian songs, Neapolitan string trio; 9-10, Examiner, Southwest Athletic club orchestra; 10-11,
Thereon Bennett's Los Angeles dance orchestra.

KFWB, Hollywood, Calif. (252), 9-11 p. m., Screenland hour, presenting a number of popular players,
directors and entertainers.

KGO, Oakland, Calif. (361.2), 11 a. m., First Presbyterian church; 3:30 p. m., KGO Little Symphony
orchestra; 7:30, First Presbyterian church;
6GW, Portland, Ore. (491.5), 10:30-12 m., First Presbyterian church; 7:30-9, First Presbyterian church;
9-10, Edwards Dependable coffee concert.

KHJ, Los Angeles, Calif. (405.2), 6-6:30 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader;
6:30-7, Art Hickman's Bilumore hotel concert orchestra, Edward Fitzpatrick, director; 7-7:30, organrecital, Arthur Blakley, organist; 8-10:30, supprise
program arranged and presented by J. Howard Johnson.

KNX, Hollywood, Calif. (336.9), 7-8 p. m., First Pres-

son.

KNX, Hollywood, Calif. (336.9), 7-8 p. m., First Presbyterian Church of Hollywood; 8-9, Ambassador hotel concert orchestra, Josef Rosenfeld, director; 9-10:39, program, Valhalla Mausoleum and Memorial Park.

KPO, San Francisco, Calif. (428.3), 6:35-7:30 p. m., Palace hotel concert orchestra; 8-8:30, Palace hotel concert, orchestra; 8-8:30-10, Rudy Seiger's Fairmont hotel orchestra.

#### Monday, June 8

Monday, silent night for: AT9, CKAC, CKY, CNRT, KFDM, KFMQ KFMX, KGW, KHJ, KLDS, KYW, FWX, WAMD, WBBM, WBCN, WCAU, WDWF, WEAO, WEBH, WEBJ, WFI, WGN, WGBS, WHAS, WHAZ, WJY, WKAQ, WLS, WMAQ, WMBB, WOC, WOAI, WQJ, WRC, WREO.

#### Atlantic or Eastern Daylight Saving

Time Stations
CHNC, Toronto, Can. (357), 8:30 p. m., CHNC orchestra.
WAHG, Richmond Hill, N. Y. (315.6), 7:30-7:45 p. m.,
Thornton Fisher, sport talk; 7:45-8, banjo and plano,
Harold Von Der Helde and Charles LaRuffa; 8-8:15,
Pasquale Ferraro, barltone; 8:15-8:45, Synchrophase
string trio; 8:45-9:15, popular songs, Judith Roth;
9:15-9:30, Harold Von Dor Helde, Charles LaRuffa; 9:30-10, Synchrophase string trio; 10:15-10:55,



Ethel Sweeney (left) will be the soloist with Theodore J. Irwin, organist, Sunday, June 14, at KPO, San Francisco. Charlotte Nagel (above) is one of the Genevieve's Cave Women who have swooped down upon and conquered WTAM, Cleveland. They will hold sway for the summer. Grace G. Raine is the planist of the Bicycle Playing Card mixed quartet. She will appear on the special anniversary program this Saturday.

WEEI, Boston, Mass. (476), 7:20 p. m., Roxy and his gang; 9:20, organ recital, Skinner organ.
WFI, Philadelphia, Pa. (394.5), 7:30 p. m., services, Arch street Presbyterian church.
WGBS, New York, N. Y. (315.6), 3:30-4:30 p. m., Picadilly theater program.
WGR, Buffalo, N. Y. (319), 3-4 p. m., vesper service, Rev W. H. Beales, New Jerusalem Church of Divine Humanity; 4-5, John W. Newton, organist, 7:45, Central Presbyterian church service, William Wall Whiddit, organist, and Dr. Robert J. MacAlpine, speaker.

speaker.

WHAR, Atlantic City, N. J. (275), 9 p. m., Seaslde hotel trio; 11, Strand theater.

WHN, New York, N. Y. (380), 3-4 p. m., Queens County Christian Endeavor program; 5-5:30, Roseland dance orchester; 5:30-6, Oleott Vail and his string trio; 10-10-10-45, Gen Razor entertainers; 10:45-11:15, Janssen's BOOkou, ercheston

10:45, Gem Razor entertainers; 10:45-11:15, Janssen's Hofbrau orchestra.

WIP. Philadelphia, Pa. (508.2), 7:15 p. m., services, Holy Trinity church.

WJAR, Providence, R. 1. (305.9), 7:20-9:15 p. m., Roxy and his Gang; 9:15-10:15, organ recital, New York studio.

WJY, New York, N. Y. (405.2), 8:15-9:15 p. m., Bernhard Levitow's Hotel Commodore orchestra.

WJZ, New York, N. Y. (454.3), 3:30-4 p. m., Chamberlain Women's quartet; 4-4:15. Lillian Seckendorf Popper, pianist; 8-8:15, Max Kaffus, tenor; 9-9:30, Lakewood Farm Inn ensemble; 10-10:30, Godfrey Ludlow, Violinist.

Lakewood Farm Inn ensemble; 10-10:30, Godfrey Ludow, violinist
WKAQ, San Juan, P. R. (340.7), 8-10 p. m., Municipal band.
WLIT, Philadelphia, Pa. (394.5), 2:15 p. m., Arcadia cafe concert orchestra.
WMCA, New York, N. Y. (340.7), 11-12:15 p. m., services, Christian Science church; 7-7:30, Ernie Golden and his Hotel McAlpin orchestra; 7:30-7:35, House of Health talk.
WNYC, New York, N. Y. (526), 4-5:30 p. m., band concert, Mall, Central Park; 9-11, Brooklyn Mark Strand theater program.
WOO, Philadelphia, Pa. (508.2), 10:15 a. m., services, Bethany temple; 2:15 p. m., Sunday school services, Bethany temple; 6:05, organ recital, sacred music, Clarence K. Bawden.

Eastern Standard or Central Daylight Saving Time Stations

AT9, Fort Bragg, N. C. (435), 6:45-7:45 p. m., concert, Fifth Field Artillery band.

WGN, Chicago, III. (370.2), 11:45 a. m., program, Chicago theater; 3:30 p. m., faculty, Chicago Musical college; 9-10, Drake concert ensemble.
WGY, Schementady, N. Y. (379.5), 9:30 a. m., First Presbyterian church services; 6:30 p. m., ovening services, First Presbyterian church; baccalaureate sermon, Dr. Charles Richmond; 7:45 p. m., Hotel Commodore orchestra; Bernard Levitow, conductor.
WHT, Deerfield, III. (238), 9-11:30 p. m., Paul Rader.
WHO, Chicago, III. (238), 9-11:30 p. m., Paul Rader.
WHO, Chicago, III. (238), 9-11:30 p. m., Faul Rader.
WHO, Chicago, III. (250, 10:15 a. m., Edgowater Presbyterian church services, Rev. Asa J. Ferry; Iorworth W. Prosser, organist; quartet; 2-4 p. m., cholr; Dan Russo and Ted Fiorito; Mortis Kowski, planist; 6-8, Hinshaw Conservatory of Music program; 10-12, Vic Lehuan, tenor; Carl Linner, planist; Dan Russo and Ted Florito.

Vic Lehman, tenor; Carl Linner, planist; Dan Russo and Ted Florito.

WIJD, Mooseheart, III. (302.8), 12 midnight, Lillian Bernard, Flo Henry, Dick Vail, Les Cameron, Walter Fett, Charley Straight's orchestra.

WKRC, Cincinnati, Ohio (422.3), 6:45 p. m., Walnut Hills Christian church; 10, classical program.

WLW, Cincinnati, Ohio (422.3), 9:30 a. m., school, editorial staff of Sunday school publications, Methodist Book concern, Church of Covenant, Dr. Frank Stevenson; 7:30 p. m., service, First Presbyterian Church of Walnut Hills; Dr. Frederick McMillan; 8:30, Western and Southern orchestra, William Kopp, director; George Muhlhauser, tenor.

WMB, Chicago III. (250), 3-5 p. m., Sunday popular concert. Dell Ampe and Trianon orchestra; Trianon synceptons. The Chicago Trianon ensuble; Ambrose Wyrick, Hase O'Nell; Lindsey McPhall; Clyde Hager; 7-8:30, semi-classical program, J. Bodewall Lonney; Beatrice Teller and Trianon ensuble; Ambrose Wyrick, Rita McFawn, Hazel O'Nell, Armin F. Hand and Woodlawn theater orchestra; 8:30-10:30, Dell Lampe and Trianon orchestra; Seattle Harmony Kings; Alvin Fry, Geraldine Doyle, Morey Alswang, Armin F. Hand and the Woodlawn theater orchestra.

orchestra.

WQI, Chicago, Ill. (447.5), 8-10 p. m., Rainbo Garden orchestra: Grace Nelson, planist; Allee Johnstone, planist; Gloria Burch, violinist; Juanita Swenk, soprano; Osear Williamson, tenor; Harry Abernathy, accompanist; Vincent Gullotta, violinist.

WREO, Lansing, Mich. (285.5), 10-10-25 a. m., chimes, Belfry Plymouth Congregational church, Rev. Edwin W. Biship, pastor; 7:30, Central M. E. church, Rev. Frank Kingdon, pastor.

WSAI, Cincinnati, Ohio (326), 8 p. m., sermonette, secretal blums.

sacred chimes. WTAS, Eigin, III. (302.8), 2-5 p. m., Joe Rudolph

KLDS, independence, Mo. (268), 11 å. m., studio service; Alleen Reich, soprano; S. A. Burgess, contraito; Marian Campbell, contraito; A. R. Moler, tenor; A. B. Church, bass; sermonette, U. Green; 6:30 p. m., vesper service; sacred music; Robert Miller, organist;

lectures.

KTHS, Hot Springs National Park, Ark. (374.8), 11
a. m., First Presbyterian church; Frances Fardin,
organist; 8:30-9:15, New Arlington Hotel Meyer
Davis orchestra; 915, baseball; 9:25-10, New Arlington hotel orchestra; 10-11:30, Chuck Root's De Soto

ton hotel orchestra; 10-11:30, Chuck Root's De Soto garden orchestra.

WBAP, Ft. Worth, Tex. (47.9), 11 p. m., frolic, Kniekerbocker Buddles.

WGBD, Zlon, Ill. (344.6), 8 p. m., male quartet, Mrs. Thomas, Mr. Barton; Mr. and Mrs. Richard F. Hire, violin duets; Mrs. J. D. Thomas, soprano: Daniel Mason, trombonist; Gerald Mason, cornetist; Carl Newcomer, marlumba soloist; Mrs. Hire, Mrs. Ower, pianists; Mrs. Hester Robinson, reader.

WC60, Minneapolis-St. Paul, Minn. (416.4), 10:20 a. m., Plymouth Congregational church; 4:10 p. m., House of Hope Presbyterian church; 7:20, Second Church of Christ Selentist; 9:15, Norse-American Centennial program.

WDAF, Kansas City, Mo. (365.6), 4-5 p. m., classical

WDAF, Kansas City, Mo. (365.6), 4-5 p. m., classical music; 5-5:30, Sunday school lesson, Dr. Walter L. musie; 5-5:30, Sunday school lesson, Dr. Walter L. Wilson.
WEBW, Beloit, Wis. (268), 4:25-5:30 p. m., Sunday

westw. Bassit, wis. (208), 4.20-30 p. m., Sanday respers.

WFAA, Dallas, Tex. (475.9), 6:30-7.30 p. m., Radio Bible class, Dr. William M. Anderson; 8-9, First Baptist church; 9:30-11, Buddy's Blue Melody boys.

WHAS, Louisville, Ky. (399.8), 9:57 a. m. organ musle; 10, Fourth Avenue Presbyterian church; 4-5, concert, Ella Sharrard, director.

WHO, Des Molnes, la. (526), 11 a. m., University, Church of Christ; 4 p. m., program, Dean Holmes Cowper; 7:30, Resee-Hughes orchestra.

WLS, Chicago, Ill. (344.6), 6:30-7:30 p. m., Ralph Emerson, organist; 7-8, WLS Little Brown church.

WOAN, Lawrenceburg, Tenn. (282.8), 9-10 p. m., sacred orchestra, male quartet.

WOAW, Omaha, Nebr. (256), 9 a. m., Radio chapel service, Rev. R. B. Brown; 9, Florence Presbyterian church.

iee, Rev. R. B. Brown; 9. Florence Presbyterian church.

WOC. Davenport, 1a. (483.6), 8-8:30 p. m., Trinty Episcopal Cathedral, Rev. Rodney Cobb; 9:30-11:30, Palmer Little symphony, Erwin Swindell, conductor. WOI, Ames, 1a. (270), 10:45 a. m., college chimes; 11, chapel services.

Kentucky Rambiers; 11:15-11:30, Kentucky Rambiers. WBBR, New York, N. Y. (272.6), 8 p. m. Syrian Orlental music, Touric Moubaid, Elizabeth Awad; 8:10, vocal selections; 8:35, 'Harp of God,' Biblic instruction; 8:45, vocal selections, Syrian Oriental

Orlental music, Touric Moubaid, Elizabeth Awad; S:10, vocal selections; 8:35, "Harp of God," Bible instruction; 8:45, vocal selections, Syrian Oriental music.

WBZ, Springfield, Mass. (333.3), 6 p. m., Capital theater orchestra; 8, William Kempf, violinist; 8:45, E. H. Bond, barltone; 9, Florence Shortsleeve Fay, violinist; Myrtle I. Ashe, planist; Fabiola D. Richardson, soprano; 9:30, "At the Theaters," A. L. S. Wood; 9:45, baseball.

WCAE, Pittsburgh, Pa. (461.3), 6:30 p. m., dinner concert, William Penn hotel; 8, address, auspices Pittsburgh Personnel association; 8:30, concert; 11, flight of mythical dirligble, Press-Kaybee.

WEAF, New York, N. Y. (491.5), 6-7 p. m., dinner unsic, Waldorf-Astoria; 7-7-15, talk, Parks Conservation association; 7:15-8:30, program, Mark Strand theatre and studio, direction of Joseph Plunkett; 8:30-8:45, Bordentown Industrial School male quartette; 18:45-9, health talk, Metropolitan Life Insurance company; 9-10, A. and P. Gypsies; 10-10:30, Blue Ribbon quartette; 10:30-11:30, Ben Bernie's Hotel Roosevelt orchestra.

WEEL, Boston, Mass. (476), 5:30 p. m., Jack Brown and his Chauve Souris orchestra; 6:30, Big Brother dub; 7:15, musicale; 8, musicale; 8:45, Tower Health talk; 9:4, A. Gypsies; 10, Blue Ribbon quartette; 10:30-11:30, Ben Bernie's Hotel Roosevelt orchestra.

WEEL, Boston, Mass. (476), 5:30 p. m., Jack Brown and his Chauve Souris orchestra; 6:30, Big Brother dub; 7:15, musicale; 8, musicale; 8:45, Tower Health talk; 9:4, A. Gypsies; 10, Blue Ribbon quartet.

WFI, Philadele, P. Gypsies; 10, Blue Ribbon quartet.

WFI, Philadele, N. P. Gypsies; 10, Blue Ribbon quartet.

WFI, Philadele, N. Y. (315.6), 6-6:30 p. m., Uncle Goebee; 6:30-7:30, Lew Krueger's dance orchestra.

WGBS, New York, N. Y. (315.6), 6-6:30 p. m., WGR's aftornoon program, A. J. Erisman, director; 6-7, Rush Yates and his Terrace orchestra, director;

(Continued on page 10)

# WAMPUS BEAUTIES HEARD AT KFI

#### Monday, June 8

(Continued from page 9)

Entertainment; 11-11:30, organ recital, Loew's gton theatre; 11:30-12, Silver Slipper revue and

orchestra.

WIP, Philadelphia, Pa. (508.2), 4:15 p. m., garden talk, Chas. K. Hallowell; 6:05, Clarence Seamon's concert orchestra; 7, Uncle Wip's beddime stories; Control of Tuberculosis, Dr. Ward Brinton.

WJAR, Providence, R. 1, (305.9), 8 p. m., dance music; 9, A. & P. Gypsy string ensemble.

WJZ, New York, N. Y. (454.3), 7-8 p. m., Bernhard Levilow's Hotel Commodore dinner concert; 8-8:10, Wall Street Journal review; 8:10-8:30, NYU Air college, 8:30-9:30, program, Landay Hall; 9:30-9:45, duets, Marle Nicholson, soprano; Elizabeth Gibbs, contrallo.

wall Street Journal review, Landay Hall; 9:30-9:45, duets, Marle Nicholson, soprano; Elizabeth Gibbs, contralto.

WLIT. Philadelphia, Pa. (394.5), 4:30 p. m., Magazine conier, Mrs. B. F. Maschal; Marcella North, piarist; 7:30, Dream Daddy's bedilme stories; 8:30, concert. Hayden club; 9:30, concert from Stanley theater; 10, Arcadia enfe dance orchestra; Spike Hamilton's Barbary Coast orchestra direct from Young's Million Dollar Pier, Atlantic city.

WMCA, New York, N. Y. (340.7), 4-5 p. m., Paul Aleuri, Laurel House trio; 6:30-7:30, Ernie Golden and his Hotel McAlpin orchestra; 8-9, joint recital, Edward French, planist; Herman Weinsteln, violinist; 9:25-9:30, health talk; 10-10:30, McAlpin Radio Forum; 10:30-11, George Kohlmeier orchestra; 11:30-12, George Kohlmeier orchestra.

WNYC, New York, N. Y. (526), 7-7:25, Original Charleston Five; 7:25-7:30, baseball results; 7:35-7:40, health talk; 7:50-8, piano recital; 8-8:15, "Knotty Problems in Baseball," John B. Foster; 8:15-9:30, concert program; 10-10:30, Harry Ash's orchestra.

WOO, Philadelphia, Pa. (588.2), 4:45 p. m., organ recital, Mary E. Vogt; 7:30, Hotel Adelphia Roof Garden orchestra; 2. Mark Strand theater concert; 8:30, A. and P. Gypsies; 10:03, organ recital, Mary E. Vogt; 10:30, Vincent Rizzo's dance orchestra.

WOR, Newark, N. J. (405.2), 6:15-7:15 p. m., Ernie Krickett's orchestra; 7:15-7-75, sport talk; 8:30-9:30, Al Reid's hour; 9:30-10:30, Dr. Sigmund Spaeth's party; 10:45-11, two-man singing orchestra, Perry and Russell; 11:30-12, The Commanders.

Eastern Standard or Central Daylight Saving Time Stations
Pittsburgh, Pa. (309.1), 2:30-7 p. m., baseball

scores; 8:45, concert, 8, 9, m., WBAV orchestra.
WBAV, Columbus (293.7), 8 p. m., WBAV orchestra.
WBBM, Chicago, III. (226), 6-7 p. m., Crillon orchestra.
WCEE, Elgin, III. (275), 10:30-12 midnight, Joe Rudolph and the Boss's Own orchestra; Frank Morris, Poliy Willis, Eddie and Fannie Cavanaugh; John

Poat.
WCX, Detroit, Mich. (516.9), 4:15 p. m., musical program; 6, dinner concert, Book-Cadillac hotel; 7, musical probram.

WEAR, Cleveland, O. (389.4), 7-8 p. m., musical pro-

gram, Loew's State theater.

WGN, Chicago, III. (370.2), 6:30-7 p. m., Drake concert ensemble, Blackstone string quintet.

WGY, Schenectady, N. Y. (379.5), 1 p. m., music, talk; 5:30, Hotel Ten Eyek orchestra; 6:15, "Home Canding," Prof. Lucille Brewer; 6:35, Spark's Circus program; band concert; 500 voice chorus; Mile. Duval,

ning." Prof. Lucille Brewer; 6:35, Spark's Circus program; band concert; 500 voice chorus; Mile. Duval, vocalist.

WHT. Deerfield, III. (399.8), 7-8:30 p. m., Evelyn Ehmborn, harpist; Robert Nead, pienist; Seola Aikman, soprano; Adele Brandt, contralto; Al Carney, organist; 8:45-10:50 (238), Elmer Kaiser Riverlew Park Ballroom orchestra; 10:30-1, (399.8), David Boyd, whistler; Walter Donovan, tenor; Carl Stockenberg, harmonica soloist; Brock Sisters; Alvin Fry, tenor; Milton Grossman, saxophonist; Haather and Stephenson; Al Carney, Husk O'Hare's orchestra; Northland trio:

WJID, Mooseheart, III. (302.8), 10:30 p. m., Cantor A. Kritz, George LaFebre, J. 1. Shufiltowski, Reneau Sisters, William Horowitz, Genewa organ, Charley Straight's orchestra. May Ward.

WKRC, Cincinnati, Ohio (422.3), 10 p. m., Benzol entertainers; 11, Popular program; 12, midnight program, Kodel gang.

WLW, Cincinnati, Ohio (422.3), 7 p. m., dinner hour concert, Hotel Gibson; Hotel Gibson concert, Robert Visconti, director; 8:15, entertainment, Cincinnati Zoo; 9:15, violin and piano solos, Patricla and Margaret Conway; 9:30, Davis Reflectograph concert; Famous Lyric male quartet.

WMAQ, Chicago, III. (447.5), 2:45 p. m., Cubs-New York baseball; 6, Chicago theater organ recital; 6:30, Navy band.

WREO, Lansing, Mich. (285.5), 10 p. m., baseball.

Navy band. WREO, Lansing, Mich. (285.5), 10 p. m., baseball. WSAI, Cincinnati, Ohio (326), 10 p. m., Apollo mix

WAAI, Ginemath, Unio (32b), 10 p. m., Apolo mixed quariet.
WTAM, Clevoland, Ohio (389.4), 6-7 p. m., Golden
Pheasant studio dance music; 8-9, Willard studio instrumental hour, Willard symphony; Walter Logan,
director; 9-11, Willard symphony and artists, excerpts from "Aida;" 11-12, Public auditorium organ
rectial; Edwin Arthur Kraft, organist.
WTAS, Elgin, III. (302.8), 8-10.30 p. m., Vilta Olivia
Radio concert, Joe Rudolph, orchestra; Eddie and
Fannie Cavanaugh, Frank Morris, Polly Willis, John
Poat.

Poat.
WTIC, Hartford, Conn. (348.6), 6 p. m., Hotel Bond trio, Lois Randall, soprano; 6:50, baseball scores; 7, dinner music.
WWJ, Detroit, Mich. (352.7), 6 p. m., dinner concert; 8, concert from New York; 9, Detroit News orchestra.

#### Central Standard Time Stations

Central Standard Alme Stations

KFAB, Lincoln, Nebr. (240), 7:30-9:30 p. m., Walkikl trio; Colonians orchestra, Orville Andrews, Buick Warbler; Charles Kokesch, pianist.

KFKU, Lawrence. Kan. (275), 7 p. m., music; 7:15, "The Story of Sand and Gravel Deposits;" Prof. R. S. Knappen; 7:30. "Some Recent Biography and Auto-biography," Prof. R. D. O'Leary; 7:45, Spanish lesson.

lesson.

KFNF, Shenandoah, Ia. (266), 7:30 p. m., concert,
Henry Field Seed company.

KFRU, Bristow, Okla. (394.5), 7-8 p. m., Oklahoma
Educational hour; 8-10:30, entertainment.

KFVE, University City, Mo. (240), 6 p. m., Radiocast
review, Romaine Fielding; 10, male quartet, T. G.
Cosby, director.

KSD, St. Louis, Mo. (545.1), 9 p. m., Gardner Motor company Eight-in-Line entertainers; 10, American Legion band of Belleville.
KTHS, Hot Springs National Park, Ark. (374.8), 8:30-8:30 p. m., baseball; 8:30-9, New Arlington hotel orchestra; 9-10, concert, Alice C. Henniger, director.
WBAP, Ft. Worth, Tex. (475.9), 7:30-8:30 p. m., mixed program, North Texas Traction company; 9:30-10:45, popular music, Ward's "Trail Blazers"; 11-12, George C. Orum's Palace theater orchestra.
WGBD, Zion. Ill. (344.8), 8 p. m., concert quartet.

C. Orum's Falace theater orchestra.

WCBD, Zion, III. (344.6), 8 p. m., concert quartet, Celestial bells; instrumental trio; Fred Faassen, organist; Alexander DeFow, flutist; Mrs. H. E. Mayfield, soprano; Lillian Detlenne, reader.

WCCO. Minneapolis-St. Paul, Minn. (416.4), 2:30 p. m., address, President Coolidge at the Norso-American Centennial; 4, baseball; 4:05, Readers' club; 5:30, children's hour; 6, baseball; 6:45, F. & R. Family; 8, opening program; 9, baseball.

Mountain Standard Time Stations KOA, Denver, Colo. (322.4), 8 p. m., Fred Schmitt and his Rialto theater orchestra; 8:10, St. Anne Dramatic club, "The Allen Princess," "Romeo and Juliet," KOA players; KOA orchestra.

Pacific Standard Time Stations

KFAE, Pullman, Wash. (348.6), 7.30-9 p. m., Theta Upsilon national sorority; Katherine Conner, cellist; Florence Lester, vocalist; Claribel Conner, Ruth Coates, violinists; Bernice Hamilton, reader; Donna Whitney, pianist; Florence Lester, Dorothy Hutchlson, vocalists; Spokane string tric; Tau Nu Kappa Boilermakers; "Care of Pet Animals," Dean E. E. Wegner; "Home Management at the Farm Women's Camp," Gladys Gallup; "How to Engage in Farming with Limited Capital," George Severance.
KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner's matinee musicale; 6-6:15, McDaniels' nightly

Central Standard Time Stations

Central Standard Time Stations

Saturday, June 6: 3:15, WHAS;
3:30, WDAF; 4:30, WDAF, WFAA; 5;
WDAF; 6, WCCO, WDAF, WOC; 6:30,
WSMB; 8:30, KTHS.
Sunday, June 7: 4:30, WFAA; 6:45,
WOC; 9, WCCO; 9:15, KTHS.
MONDAF; 4, WCCO, WDAF; 4:30,
WFAA; 5, WDAF; 6, WCCO, WDAF; 6:30, WSMB; 8:30, KTHS; 9, WCCO.
Tuesday, June 9: 3:15, WHAS; 3:30,
WDAF; 4, WCCO, WDAF; 4:30,
WDAF; 4, WCCO, WDAF; 4:30,
WFAA; 5, WDAF; 6, WCCO, WOCC, 6:20, WOAW; 6:30, WSMB; 8:30, WSMB; 8:30,
KTHS; 9, WCCO.
Wednesday, June 10: 3:15, WHAS; 3:30, WDAF; 4, WCCO; 4:30, WDAF; 4; WCCO, WCCO, WDAF; 4; WCCO, WCCC, 6:30, WSMB; 8:30, WTHS; 9, WCCO.

Wednesday, June 10: 3:15, WHAS; 3:30, WDAF; 4, WCCO; 4:30, WDAF, WFAA; 5, WDAF; 6, WCCO, WDAF, WCCO, 6:30, WSMB; 8:30, KTHS; 9, WCCO.
Thursday, June 11: 3, WDAF; 3:15

WCCO.
Thursday, June 11: 3, WDAF; 3:15,
WHAS; 4, WCCO, WDAF; 4:30,
WFAA; 5, WDAF; 6, WCCO, WDAF,
WOC; 6:20, WOAW; 6:30, WSMB; 9,
KTHS, WCCO.

Friday, June 12: 3, WDAF; 3:15, WHAS; 4, WCCO, WDAF; 4:30, WFAA; 6, WCCO, WDAF, WOC; 6:20, WOAW; 6:30, WSMB; 8:30, KTHS; 9, WCCO

Mountain Standard Time Stations

#### Tuesday, June 9

Tuesday, silent night for: AT9, CFCA, CHNC, CHIC, CHYC, CNRT, KFAE, KFKU, KFKX, KFNF, KJR, KX, KOA, KOB, FWX, WAHG, WBAV, WBR, WBAU, WHAJ, WHAZ, WKAQ, WOI, WOS, WRBC, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

Time Stations

CKAC, Montreal, Can. (410), 7 p. m., talks on hygiene; 7:30. Windsor hotel dinner concert; 8:30. Montreal Press club entertainers; 10:30, Windsor Hotel Cascade room dance orchestra.

CNRA, Moncton, Can. (313), 8:30 p. m., Jewish concert, Y. M. H. S. of Saint John; CNRA orchestra.

WAHG, Richmond Hill, N. Y. (315.6), 12:30-1:15 p. m., misle, time signals and weather reports.

WBZ, Springfield, Mass. (333.3), 6 p. m., Leo Reisman Hotel Lenox ensemble; 8:15, Andre Savard, planist; 8:30, Old Timers' program; Katherine White, soprano; Bay State quartet; Patrick J. Gaffney, fiddler; Blanche Pickering, planist; 9, Hotel Brunswick orchestra; 9:30, baseball.

WCALE, Pittsburgh, Pa. (461.3), 8:30 p. m., dinner concert, William Penn hotel; 8, program from New York; 8:30, Gold Dust Twins; 9, Eveready hour; 10, Grand Opera.

WCAU, Philadelphia. Pa. (245), 6 p. m., Hotel Penn-

Opera.

WCAU, Philadelphia, Pa. (245), 6 p. m., Hotel Pennsylvania Interfraternity orchestra; 6:30, Charles Verna's dance orchestra; 7:30, concert, N. Snellenburg & Co.; 8, talk, Clara Zillessen; 9:15, "What We See and Hear in Music," Maude Hanson Pettit; 10:30, Charles Verna's dance orchestra.

WDWF, Providence, R. 1. (440.9), 8:30 p. m., Arcadia orchestra.

WDWF, Providence, R. 1. (440.9), 8:30 p. m., Arcadia orchestra. WEAF, New York, N. Y. (491.5), 6-7 p. m., dinner music, Waldorf-Astoria; 7-7:10, William J. Fagan, baritone; 7:10-7:30, Columbia University lecture; 7:30-8, Eagle Neutrodyne trio; 8-8:10, talk, Bank of America; 8:10-8:30, talk, "Why Worry," Bishop: Phililp Cook of Episcopal Diocese of Delaware; 8:30-9, Cold Dust Twins; 9-10, Eveready hour; 10-11, grand opera, "Lucia di Lammermoor," WEAF Grand Opera company; 11-12, dance program.

WEBJ, New York, N. Y. (233), 7-7:30 p. m., Bert Roborn's orchestra; 7:45-8, Thomas Prytheich, tenor; Mildred Mayes, planist; 8-8:10, railroad talk, G. T. Geer; 8:15-8:30, Sara V. Turits, soprano; 8:30-9, Ken Burdick, baritone.

WEEL, Boston, Mass. (476), 6:30 p. m., Big Brotherclub; 7:15, musicale; 8, musicale from New York; 8:30, Gold Dust Twins; 9, Eveready hour; 10, Grand Opera company.

company.
WFI, Philadelphia, Pa. (394.5), 3 p. m., talk, "Bringing the Bank Closer to the Public"; 6:30, Bellevue Stratford concert orchestra: 7, Radio Scout; 8, concert from WEAF; 8:30, Gold Dust Twins; 9, Eveready hour

hour.

WGBS, New York, N. Y. (315.6), Crete Carton, soprano;
6-6:30 p. m. Uncle Geebee; 6:30-7:30, Jersey Collegians; 8-8:30, Ellen Jane Thompson, soprano; 9-10,
Y. M. C. A. musical program; Charles S. Lewis,
planist; Charles W. Schroter, tenor; 10-10:30, May
Singhi Breen and Peter de Rose; 10:30-10:40, interview with Puul Whiteman, Terese Rose Nagel; 10:4011, Paul Ross, violinist; 11-11:30, Samuel Shankınun,
planist.

11, Paul Ross, violinist; 11-11:30, Samuel Shankının, planist.
WGR. Buffalo, N. Y. (3(9), 2:30-4:30 p. m., WGR'S afternoon program, A. J. Erisman, director; 8-11, joint broadcasting with WEAF, including William J. Fagan, baritone soloist; address, Bishop Phillip Cook on 'Why Worry'; Gold Dust Twins, Eveready hour, and operatic selections, 'Lucia de Lammermoor.''
WHAR, Atlantic City, N. J. (275), 7:30 p. m., Seaside hotel trio; 9, Hotel Shelburne concert orchestra; 11, Strand theater.
WHN, New York, N. Y. (360), 7-7:30 p. m., Colonial Aces; 7:30-7:35, health talk, Dr. Landis; 9:30-10, Palisades Amusement Park orchestra; 11:30-12, Club Alabam orchestra; 12-12:30 a. m., Parody club revue and orchestra.

Pallsades Amusement Park orenestra; 11:30-12, Chimballadan orchestra; 12-12:30 a. m., Parody club revue and orchestra; 12-12:30 a. m., Parody club revue and orchestra; 12-12:30 a. m., Parody club revue and orchestra.

WIP. Philadelphia, Pa. (508.2), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime stories; 8, St. Alban's Glee club assisted by Girard Craftsmen male quartet; 9, piano recital, Florine R. Thanhauser; 9:30, talk, Harry Weir, city architect, Wildwood, N. J.; 10:05, movic talk, Ell M. Orowitz; 10:30, Howard Lanin's dance orchestra.

WJAR. Providence, R. l. (305.9), 8:30 p. m., Gold Dust Twins; 9, Eveready hour.

WJY. New York, N. Y. (495.2), 8:15-8:30 p. m., talk, "The Birds of Paradise," Lee S. Crandall of Zoological society; 8:30-8:45, George Dale, tenor; Herne Neely, accompanist; 8:50-9, Jefferson Memorial talk, Pauline Henkle.

WJZ, New York, N. Y. (454.3), 7-7:15 p. m., Frank Dole's dog talk; 7:15-8, Josenh Strissof's Hotel Vanderbilt orchestrafi 8-3:10, Wall Street Journal review; 8:10-9:10, Wanamaker program; 9:30-9:45, A. Duques, clarinetist.

WLIT, Philadelphia, Pa. (394.5), 2:30 p. m., "Care of Children," Mrs. Louis Love"; 7:30, Dream Daddy's bedtime stories; 7:50, dramatic review, Allyn C. Saurer.

WMCA. New York, N. Y. (340.7), 4:45-4:55 p. m.

bedtime stories; 7:50, dramatic review, Allyn C. Saurer.
WMCA. New York, N. Y. (340.7), 4:45-4:55 p. m., beauty talk, Mme. Belle; 6:30-7:30, Aladdin dance orchestra; 8:15-8:20, health talk; 10-11, Chiropractic hour of music: 11-12, Ernie Golden and his Hotel McAlpin orchestra.
WNYC, New York, N. Y. (526), 6:50-7 p. m., market high spots; 7-7:25, song recital; 7:25-7:30, base-ball results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8, piano recital; 8-8:15, talk; 8:15-9:30, special concert feature; 10-10:30, Five Messner Brothers; 10:35-11, Five Messner Brothers.
W00, Philadelphia, Pa. (508.2), 4:45 p. m., organ recital, Mary E. Vogt; 7:30, A. Candelori's concert orchestra.

orchestra.

WOR. Newark, N. J. (405.2), 3-3:10 p. m., talk on modern poets, Dr. Leon Mones; 6:15-6:30, Lorraine orchestra; 6:30-7, Man in Moon; 7-7:30, Lorraine orchestra.

Eastern Standard or Central Daylight Saving Time Stations

AT9, Fort Bragg, N. C. (435), 9 p. m., dance orchestra. KDKA, Pittsburgh, Pa. (309.1), 2:30-7 p. m., baseball scores; 8:45, concert; 10:30, Grand theater. KYW, Chicago, III. (535.4), 5:35-6 p. m., children's bedtime story; 6-6:30, dinner concert, Congress hotel; (Continued on page 11)

#### Baseball Scores

TABULATED below is a time table of the stations giving baseball scores this week. Stations are divided into the different standard times in use. The hours are given in the kind of time in use at each listed

Atlantic or Eastern Daylight Saving Time Stations

Ing Time Stations
Saturday, June 6: 4:30, WJZ; 5:45, WTIC; 5:30, WJZ; 7:25, WNYC; 8, WJZ; June 8: 7:25, WNYC; 9:50, WBZ.

Tuesday, June 9: 7:25, WNYC; 50, WBZ. Wednesday, June 10: 7:25, WNYC;

50, WBZ.

Thursday, June 11: 7:25, WNYC; 50, WBZ. 9:50, WBZ. Friday, June 12: 7:25, WNYC; 9:50, WBZ,

Eastern Standard or Central Daylight Saving Time Stations

light Saving Time Stations
Saturday, June 6: 2, WGY; 2:30,
KDKA; 2:45, KDKA, WMAQ; 2:30,
KDKA; 3:45, KDKA; 3:15, KDKA; 3:30,
KDKA; 3:55, WWJ; 4, WMAQ; 4:15,
4:30, 4:45, 5, KDKA; 5:55, WTIC; 6,
WGN, WLS; 6:50, WTIC; 7, KDKA;
9:55, KDKA; 10, WREO.
Sunday, June 7: 6:55, WTIC.
Monday, June 8: 2, WRC; 2:45,
WMAQ; 3:30, KDKA; 3:45, WEAR;
3:55, WWJ; 4, KDKA, WMAQ; 4:30,
5, KDKA; 5:55, WTIC; 6, WGN,
WLS; 6:50, WTIC; 9:55, KDKA; 10,
WREO.
Tuesday, June 9: 2, WRC; 2:45,

WKEO.
Tuesday, June 9: 2, WRC; 2:45, WMAQ; 3, 3:30, KDKA; 3:45, WEAR; 3:55, WWJ; 4, WMAQ; 4:30, 5, 7, KDKA; 6, WGN, WLS; 9:55, KDKA; 10, WREO.

MDAA; 6, WGN, WLS; 9:55, KDRA; 10, WREO.

Wednesday, June 10: 2, WRC; 2:45, WMAQ; 3, 3:30, KDKA; 3:45, WEAR; 3:55, WWJ; 4, 4:30, 5, WWJ; 6, WGN, WLS; 6:50, WTIC; 7, KDKA; 9:55, KDKA; 10, WREO.

KDKA; 10, WREO.

Thursday; June 11: 2, WRC; 2:45, WMAQ; 3, 3:30, KDKA; 3:45, WEAR; 3:55, WWJ; 4, 4:30, 5, KDKA; 6, WGN, WLS; 6:50, WTIC; 9:55, KDKA; 10, WREO.

Friday, June 12: 2:30, KDKA; 2:45, WMAQ; 3, 3:30, KDKA; 3:45, WEAR; 3:55, WWJ; 4, WMAQ; 4:30, 5, KDKA; 6, WGN, WLS; 6:50, WTIC; 9:55, KDKA; 10, KREO.

Monday, June 8: 6, KOA. Tuesday, June 9: 6:30, KOA. Wednesday, June 10: 6, KOA. Thursday, June 11: 6, KOA. Friday, June 12: 6, KOA. Pacific Standard Time Stations

Saturday, June 6: 6, KFOA.

Monday, June 8: 6, KFOA; 6:45,
KGO; 7:30, KGW.

Tuesday, June 9: 6, KFOA; 6:45,
KGO; 7:30, KGW.

Wednesday, June 10: 2, 3, 4, KNX; 6, KFOA; 6:45, KGO; 7:30, KGW.
Thursday, June 11: 6, KFOA; 6:45, KGO; 7:30, KGW.
Friday, June 12: 2, 3, 4, KNX; 6, KFOA; 6:45, KGO; 7:30, KGW.

WDAF, Kansas City, Mo. (365.6), 6-7 p. m., plano tuning-in number; Ceclle Burton, reader; Plantation players; 8-10, around the town with WDAF; 11:45-1 a. m., Merry Old Chief, Plantation players; Charles Dornberger's Kansas City Athletic club orchestra. WEBW, Beloit, Wis. (268), 8:30-9:45 p. m., men's glee club.

club.

WFAA, Dallas, Texas (475.9), 6:30-7:30 p. m., Roy
Leffingwell's orchestra; 8:30-9:30, Sweetwater violin
choir, Mrs. O. L. Cuthirth, director.

WHA, Madison, Wis. (535.4), 7:45 p. m., University
School of Music; "Logic and Life," Prof. M. C.

School of Music; "Logio and Life," Prot. 21. C. Otto.

WHAS, Louisville, Ky. (399.8), 3:15 p. m., baseball.

WHO, Des Moines, Ia. (526), 7:30-8 p. m., Mary Muck, popular soloist; Katherine Torey, planist; 8-9, program, Dean Holmes Cowper, director; 11:15-12, organ recital.

WMC, Memphis, Tenn. (499.7), 8:30 p. m., Washington Synconators.

wMd., memphis, 1981. (1937.7), 6.30 p. m., vashington Syncopators.

WOAN, Lawrenceburg, Tenn. (282.8), 12:15-12:45 p. m., orchestra; 9-10, orchestra, male quartets.

WOAW, Omaha, Nebr. (326), 6 p. m., Phyllis Griswold, organist; 6:30, McForry's popular period, Lillian Madsen, director; 6:45, orchestra; 9, program, Hannan-Van Brunt company, Foud dealers.

WOI, Ames, Ia. (270), 10 p. m., program of popular music.

WRBC, Valparaiso, Ind. (278), 7:30 p. m., music and

WSB, Atlanta, Ga. (428.3), 5-6 p. m., bedtime story, Bonnie Barnhardt; Georgian's orchestra; 8-9, music; 10:45, Warner's Seven Aces. WSMB, New Orleans, La. (319), 6:30-7:30 p. m., dinner musicale, baseball, twilight tales; 8:30-10:30, Leslie George and his Patio Royal dance orchestra, Fuzzy-Wuzzy Twins.

doings; 6:45-7, raditorial talk; 7-8, California Serenaders dance orchestra, direction George Cronk; Sigmund Cachs, violin soloist; Rolfe Pratt, tenor; 8-9, songs of the old south with interesting bits about who wrote them; 9-10, program, Walter M. Murphy Motors company; Virginia Flohri, the Radio nightlingale; Los Angeles string quartet; J. Roy Logge, barltone; 10-11, Examiner, Ray West and his Alexandria hotel dance prehestra.

KFWB, Hollywood, Calif. (252), 6:30-8 p. m., program, John A. Evans corporation, Hadenda Park dance orchestra; 8-9, program, Cheek-Neal Coffee company, Maxwell House coffee string quartet, Harry Jackson, leader; Bill Hatch and Ray Kellogg, the jazz twins; 9-10. Screenland dance orchestra; 10-11, Warner Brothers' froile, direction Charlie Wellman, KGO. Oakland, Calif. (3612), 8 p. m., educational program; Amphion trio; "Drainage of Farm Land," Prof. W. W. Weit; "Class Room Instruction by Radio," Dr. Virgil E. Diekson; "To Think Without Confusion." John Snape; "Editorial Arrows," Charles K. Field; 10-1, Henry Halstead's orchestra.

KGW, Portland, Ore. (491.5), 6-7 p. m., Frederick W. Goodrich, organist; 7:30-8, baseball.

KNX, Hollywood, Calif. (361.2), 6:30-6 p. m., Wurlltzer pipe organ studio; Sid Ziff's sports talk; 6:15-6:30, travel talk, W. F. Alder; 6:30-7:30, dinner hour program, Detmers Optical company; 7:30-8, program, Columbia Outfitting company; 8-9, KNX etature hour; 9-10, program, L. W. Stockwell company; 10-11, Goodrich Silvertown Cord orchestra, June Pursell, soloist; 11-12, Abe Lyman's Coccanut Grove dance orchestra, from Ambassador hotel.

KPO, San Francisco, Calif (428.3), 6:15-6:30, p. m., baseball, 6:40-7:30, States Restaurant orchestra; 8-9, talk, Joseph D. Redding, American composer; Theodered. J. Irwin, organist; 9-10, Studio program; 10-11, States Restaurant orchestra.

The six smiling boys in this picture compose Dixie's most popular jazz and dance orchestra, the Patio Royal dance orchestra of New Orleans which broadcasts from WSMB, every Monday from 8:30-10:30 p. m. Their particular brand of syncopation is well liked in the South. The Patio Royal dance orchestra is composed of Leslie C. George, director and banjoist; Clarence Erath, pianist; William Bruan, Jr., cornetist; Arthur Luquet, cornetist; Evans Zevely, saxophonist, and Louis Uhle, drummer.

# MANGUSO FAMILY ENTERTAINS AT WGR

#### Tuesday, June 9

(Continued from page 10)

7-7:20, program, Chicago Musical college; 7:20-7:45, speeches, American Farm Bureau federation; 7:45-8:30, musical program; 9-10:30, evening at home. WBBM, Chicago, Ill. (226), 8-12 midnight, Sandy Meok, Scotch tenor; Hurry Sosnik, planist; Lester Kelsey;

and his Rainbo Skylarks, Ned and Ches, Tommy Jancosek, harmonic soloist; Mack Sisters, Will Rossler, Nate Caldwell; 1-2, Ginger hour.

WRC, Washington, D. C. (488.5), 7 p. m., New Willard hotel orchestra; 8:30, "The Potitical Situation in Washington Tonight," Frederick William Wile; 9, "Over the Seven Seas"; 10, Le Paradis band; 11, Otto F. Beck, organist.

WREO, Lansing Mich. (285.5), 8:15-9:45 p. m., Reo broadcasting band; Willial trio; Alexander Gunn, planist; Isador Geffen, cellist; Wilhelm Harmens, violinist; Reo male glee club; 10, baseball.

WSAI, Cincinnati, Ohie (326), 6:45 p. m., chimes; 7, Hotel Sinton instrumental trio; 8, Evercady hour of music; 9, WSAI studio; Lillian Dent, soprano; Mary Steele, contralto.

WTAM, Gieveland, Ohie (389.4), 6-7 p. m., Hotel Statler concert, orchestra; Maurice Spitalny, director, WTAS, Edgin, Ill. (302.8), 8-10:30 p. m., Joe Rudolph and the Boss's Own orchestra; Frank Morris, Polly Willis, Eddie and Fannle Cavanaugh, Coleman Getz.

WTIC, Hartford, Conn. (348.6), 6:50 p. m., baseball scores; 7, organ recital, Austin Organ company; 7:50, glee club, New Britaln Normal school, Pauline Meyer, director; 8:10, 'Citizens' Military Training Camps,' Col. Emerson G, Taylor.

WJJ, Dstroit, Mich. (352.7), 6 p. m., dinner concert; 7, concert from New York. Central Standard Time Stations

Central Standard 11He Stations
CKY, Minipeg, Can. (384.4), 8:30 p. m., French concert, Yvonne Thibault and party.
KFDM, Beaumont, Tex. (315.6), 7-7:30 p. m., children's program; 8-10:30, musicale.
KFMQ, Fayetteville, Ark. (299.8), 9 p. m., Fayetteville Community chorus, Prof. H. E. Shultz, director.
KFRU, Bristow, Okla. (394.5), 10:30-12 midnight entertainment.

6-6:30, Art Hickman's Biltmore hotel concert orchestra, Edward Fitzpatrick, director; 6:30-7:30, little stories American history, Prof. Walter Sylvester Hertzog, weekly visit of Queen Titania and Sandmar from Fairyland, Louis F. Klein, auto-harp and harmonica; Chas. Leslie Hill, readings; Fioryane Thompson, soprano; 7:30-8, Piggly Wiggly girls' string trio; 8-10, program, Ferguson Travel Service; 10-11, Art Hickman's Biltmore hotel dance orchestra, Earl Burtnett, leader.

KNX; Hollywood, Calif. (336.9), 5:30-6, p. m., Wurlitzer pipe organ studio, Sid Zilf's sports talk; 6:15, tractiall, W. F. Alder; 6:30-7:30, program, Globe Ice Cream company; 7:30, style talk, Myer-Siegel, Jr.; 7:15, health talk, Dr. Robt. T. Williams; 8-9, program, Elite Catering company; Bilte concert trio; August Elite Catering company; Bilte concert trio; Cream company; 10-12, movite night, the Ambassador, Abe Lyman's Coccanut Grove dance orchestra.

WOR, New York, N. Y. (340,7), 8:45-3:55 p. m., talk, Alvin Silver company; 4-5, Original Indiana Five orchestra; 6:30-7:30 Ernie Golden and his Hotel Work, New York, N. V. (526), 6:50-7 p. m., market why Chent Department of Five potential, 7:25, song rectal; 7:25, song rectal; 7:25-7:30, busebnil results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F. Hylan; 7:50-8-9, concert program; 9-15, "Time results; 7:35-7:50, talk, Mayor John F

orchestra.

KPO, San Francisco, Calif. (428.3), 6:40-7 p. m., States
Restaurant orchestra; 7-7:30, Rudy Selger's Fairmont
hotel orchestra; 8-9, Norweglan maie chorus; 9-10,
popular program; 10-11, Johnny Buick's Cabirlans.

#### Wednesday, June 10

Wednesday, silent night for: AT9, CFAC, CFCA, CHIC, CHNC, CKAC, CKY, CNRT, KFDM, KFKX, KFMQ, KGO, KLDS, KOB, WBAV, WBBR, WCAL, WCBD, WDWF, WEBJ, WEBW, WFAA, WFI, WGBS, WGY, WHAR, WHAZ, WJY, WMC, WOAW, WOI, WORD, WPG, WRBC, WREO, WTIC.

Eastern Standard or Central Daylight Saving Time Stations

KDKA. Pittshurgh, Pa. (309.1), 2:30-7 p. m., baseball; 8:45. Dry Slitz hour of music.

KYW. Chicago, Ill. (535.4), 6-8:30 p. m., dinner concert, Congress hotel; 7-8, Grace Hegseth, soprano; Robert Hene, barltone; Marguerite Jaimeyfield, pianlist; Joseph Kovacs, violinist; 9-11:30, evening at home. PWX. Havana, Cuba (400), 8:30-11 p. m., band stand.

WBBM, Chicago, Ill. (226), 8-10 p. m., Tell Taylor, Ned Santry, Charlie Garland.

WEEE, Elgin, Ill. (275), 10:30-12, midnight, Joe Rudolph and the Boss's own orchestra; Frank Morris, Eddie and Fannic Savanaugh, John Poat.

WCX. Detroit, Mich. (516.9), 4:13 p. m., musical program; 6, dinner concert, Book-Cadillac hotel; 7, musical program, 6, dinner concert, Book-Cadillac hotel; 7, musical program.



H. Percy.
WEBH, Chicago, III. (370.2), 7:30 p. m., Oriole concert orchestra; Lydia Lochner, contralto; 8:30, Frank Bordner, baritone; musical bits, Riviera theater; 9:30, Oriole dance orchestra; Dennis Sisters; Frank Magini; songs; 11:30-1, Oriole dance orchestra; Dennis Sisters; Frank Magini; Ted Florito, novelty pianist; Frank Buckher.

Oriole dance orchestra; Dennis Sisters; Frank Magini, sons; 11:30-1, Oriole dance orchestra; Dennis Sisters; Frank Magini; Ted Fiorito, novelty pianist; Frank Bordner.

WGES. Oak Park, III. (250), 516:30 p. m., Katherine Forbes, soprano; Edgar Scott, tenor; Edna Wallace, seprano; McDebitt Sisters; 6:30-7, bedtime stories, Cornelia Duncan; 10:30-1; A. Cavallo and his II master musicians; Sammy McTavisch, comedian; Rudolph Hess, pianist; Sattelites orchestra Coyne Electrical School serenaders.

WGN, Chicago, III. (370.2), 6:30-7:30 p. m., Drako concert ensemble, Blackstone string quintet; 8:30, studio program; 9, Radio interview with the weather man; 10:30-11:30, Drake Hotel Terrace Garden program, 10:30-11:30, WGY Chamber Music ensemble; 7:10, program, Wanamaker auditorium; 8:10, WGY Chamber Music ensemble; 7:10, program, Wanamaker auditorium; 8:10, WGY Chamber Music ensemble; 7:10, program, Wanamaker auditorium; 8:10, WGY Chamber Music ensemble; 7:10, program, Wanamaker auditorium; 8:10, WGY Chamber Music ensemble; 7:10, program, Wanamaker auditorium; 8:10, WGY Chamber Music ensemble; 7:10, program, Wanamaker auditorium; 8:10, WGY Chamber Music ensemble; 7:10, program, Vanamaker auditorium; 8:10, WGY, Chamber Music ensemble; 7:10, program; 0, m. porothy Blum, soprano; belaida, John Clark; 8:45-10:056, (238), Elmer Raiser's plailads, John Clark; 8:45-10:056, (238), Elmer Raiser's Delaida, John Clark; 8:45-10:056, (238), Elmer Raiser's Delaida, John Clark; 8:45-10:056, (238), Elmer Raiser's Park Mallon orchestra.

WJJD, Moscheart, III. (392.8), 10:30 p. m., Cosmopolitan quintet; 11, Doc Howard's WKRC entertainers.

WJLO, Williamson Brothers and Phil; 10:40, Nubs Allan, contralto; 10:50, Col. George Valvodsky, Russian planist

lecture, University of Chicago; 9:15, Stevens Ladues ichorus.

WMBB, Chicago, Ill. (250), 7-8:30 p. m., semi-classical program, J. Bodewalt Lampe, director; Reatrice Teller and Trianon ensemble; Ambrose Wyrick, Rita McFawn; Hazel O'Nell; Armin F. Hand and the Woodlawn theater orchestra; 8:30-10:30, Dell Lampe and Trianon orchestra; Johnnie Keane, Bob Duffy, Geraldine Doyle, Charles Agne and Trianon syncopators, Fisher and Smith.

WGJ, Chicago, Ill. (447.5), 7-8 p. m., Rainbo Garden orchestra, Mrs. Adelaide Steag, contratio; Leon Byram Reed, violinist: Mrs. A. Scott Armstrong, accompanist; Mildred Perlin, reader; 10-1, Raiph Williams

WBAP, Ft. Worth, Tex. (475.9), 7:30-8:30 p. m., classical program, Helen Brandies; 9:30-10:45, Sweetwater violin choir.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 8 p. m., baseball; 6:05, Biley's St. Paul hotel orchestra; 7, national program from WEAF; 8, musicale; 9, baseball.

WDAF, Kansas City, Mo. (365.6), 6-7 p. m., plano tuning-in number on the Duo-Art; Tell-Ble-a-Story Lady; Radio plano lessons, Maudellen Littlefield; Plantation players; 11:45-1, Newman nighthawk night, WEBW, Beloit, Wis. (268), 8:30-9:45 p. m., band concert, quartet, Fairbanks, Morse company.

WFAA, Dallas, Texas (475.9), 6:30-7:30 p. m., Hauulee

cert, quartet, Fairbanks, Morse company.

WFAA, Dallas, Texas (475.9), 6:39-7:30 p. m., Hauulea School of Hawaiian muste; 8:30-9:30, Mrs. Albert E. Smith, soprano; 11-12, Dwight Brown, organist.

WHAS, Louisville, Ky. (339.8), 3:15 p. mt. baseball; 7:30-9, concert, Louisville Provision company.

WHO, Des Moines, Ia. (526), 7:30-9 p. m., Indian program.

WMC, Memphis, Tenn. (499.7), 8:30 p. m., program, O. H. Muehler; 11, Harry Nichols, organist.

WOAN, Lawrenceburg, Tenn. (282.8), 12:15-12:45 p. m., Vauchan Radio orchestra; 9-10, Vauchan Radio orchestra; male, quartet; Vaughan Recording male quartet.

chestra; male, quartet; vaugnan Recording male quartet.

WOAW, Omaha, Nobr. (526), 6 p. m., "Advice to the Lovelorn." Cynthla Grey; 6:20, baseball; 6:25, May Seed & Nursery company; 9, Fontenelle celebration association; 12, Riatto midnight frolic.

WOC. Davenport, la. (483.6), 8-8:20, "Some Interesting Facts about Railroad Telegraphy," H. B. Perham.

WSB, Atlanta, Ga. (428.3), 5-6 p. m., Bonnie Barnhardt's bedtime story; music; 8-9, Vick Myers Molody artists, Dixle Sunbeams; 10:45, entertainment.

WSMB, New Orleans, La. (319), 6:30-7:30 p. m., dinner music, baseball.

Mountain Standard Time Stations CNRR, Regina, Canada (356), 8-10 p. m., bedtime travel tale; H. J. Record concert orchestra.

Pacific Standard Time Stations

Pacific Standard Time Stations

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner's matinee program; 6-6:15, McDandels' nightly doings; 6:45-7, radiotorial talk; 7-8, program, Hills Brothers; Starr Russell, the blue streak of Radio; Way Watts and his ukulele; Hills Brothers dinner-dance orchestra; 8-9, Examiner's program, Monrovia, California community orchestra; 9-10, Wilshire string trio, Agnes Kraemer, dramatic soprano; 10-11, Packard ballad hour, Billy and Polly Hall, Ashley Sisters, Ray Wood, Way Watts and others.

KFWB, Hollywood, Calif. (252), 7:45-9 p. m., program, Western Supér-service garage, Marguerite Le Grand, concert pianist, Great Western male quartet, Erickson sisters; 9-10, feature program, Urion Oil company of California; 10-11, Warner Brothers frolic, direction Charlle Wellman.

KGO, Oakland, Calif. (361.2), 8 p. m., Kohler & Chase; Lina Torrano, accordionist; Elsa Behlow Trauiner, soprano; Carey male quartet; Brad Behlow Trauiner, soprano; Carey male quartet; Elsa Behlow Trauiner, soprano; Carey male quartet; Elsa Behlow Trauiner, soprano; Carey male quartet; Brad Behlow Trauiner, soprano; Carey male quartet; Marino Ladies' orchestra; Ray Nealan, tenor; Nona A. Campbell, soprano; 10-1, Henry Halstead's orehestra.

KGW, Portiand, Ore. (491.5), 7:30-8 p. m., baseball; 9-10, concert, Woolaeh and Powell company; 10-12, Herman Kenin's Multnoman hotel dance orchestra.

KHJ, Les Angeles, Calif. (405.2), 5:30-6 p. m., Leighton's Arcade cafeteria orchestra, Jack Cronshaw, leader;

sylvania Inter-fraternity orchestra; 8, reettal; 8:45, N. B. T. Boys' concert; 9:20 talk; 10:10, Radio talk; 10:30, Jack Myers' Muslcal Architects' dance orchestra.

WEAF, New York, N. Y. (491.5), 6-7 p. m., dinner music, Weldorf-Astoria; 7-7:30, services United Synagogue of America; 7:30-7:45 Max Olanoff, violinist; 7:45-8, Mabel Rowland, impersonator; 8-9, U. S. Navy Band, direction Lieutenant Charles Benter; 9-10, Ipana Troubadours; 10-11, Royal Little Symphony 11-12, Ben Bernie's Hotel Roosevelt orchestra.

WEEI, Boston, Mass. (476), 6:30 p. m., Big Brother club; 7:15, talk; 8, Traveler Shoe concert; 8:30, M. B. Cohan's half hour musical; 9, musicale; 10, De Lancy Cleveland and assisting artists; 10:30, Joe Beal and entertainers.

WFI, Philadelphia, Pa. (394.5), 3 p. m., Loretta Kerk, planist; 6:30, Bellevue Stratford concert orchestra; 7 beddime stories (315.6), 6-6:30 p. m., Uncle Geebee; 6:30-7:30, Elite orchestra.

WGR, Buffalo, N. Y. (315.6), 6-6:30 p. m., WGR's afternoon program, A. J. Erfsman, director; 9-10, musical program, Mr. and Mrs. Vernon Curtis; 10:10:13, Hawatian guitar duct; 10:18-10:30, George Phelps, popular soloist; 10:30-10:45, Rev. Samuel Artack, tenor soloist; 11-1 a. m. supper dance music: Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director.

WHN, New York, N. Y. (360), 7:30-7:35 p. m., health talk, Dr. Landls; 8:15-8:30, Rubby Cowan, tenor; 9-10, Consolidated Dairy orchestra; 10-10:30 Roseland dance orchestra; 10:30-11, Palisades Amusement Park orchestra; 11:30-12, Silver Silpper revue and orchestra; 12:12:30 a. m., Strand Roof orchestra.

WIP, Philadelphia, Pa. (508.2), 3 p. m., recital, students of Kurtz Vecal studios; 6:05, Benjamin Franklin concert orchestra; 7. Uncle Wip's bedtime stories; St. Elizabeth's Parochial school band.

WJAR, Providence, R. I. (305.9), 7:30 p. m., Cafe Boulevard orchestra; 8-8:10, Wall Street Journal review;

St. Elizabeth's Parochial school band.

WJAR, Providence, R. I. (305.9), 7:30 p. m., New York studio.

WJZ, New York, N. Y. (454.3), 7-8 p. m., Cafe Boulevard orchestra; 8-8:10, Wall Street Journal review; 8:10-8:30, NYU Air College; 9:15-10:30, U. S. army program; 10:30-11:30, Monte Carlo Virginians.

WKAQ, San Juan, P. R. (340.7), 8-10 p. m., municipal hand.

band.
WLIT. Philadelphia, Pa. (394.5), 4:30 p. m., Magazine
Corner, Mrs. B. F. Maschal; Marcella North, planist;
7:30, Dream Daddy's bedtime stories; 8, concert,
Brooklyn Square Glee club; 9, automobile talk; speliing bee for bank championship of Philadelphia; 10,
Arcadia cafe dance orchestra.

stories, Justice Carter; 8, Roberts string quartet; Zella Roberts, harpist; Mae Skinner, violinist; Ann Charles, violinist; Ethel Harris, cellist.

WEAR. Cleveland, Ohio (389.4), 7-8 p. m., concert, Hotel Cleveland orchestra; Ivan Francisci, conductor, Chicago, Ill. (370.2), 7:39 p. m., Orlole concert orchestra; Cyril Allen, cellist; Louis Bartlett, pianist; "Books of the Day," Lewellyn Jones; 9:30, Orlole dance orchestra; Robert York, tenor; 10:30, Drass quartet, Kay Ronayne, sonsster; 11:30-1, sons, Gorman Brothers; Robert York, Kay Ronayne, WGES, Oak Park, Ill. (250), 5-6:30 p. m., Margaret Hayes, soprano; Bryce Talbot, bartione; Frank Grief, tenor; Howard Newmiller, pianist; 6:30-7, bedtime stories; 10:30-1, A. Cavallo and his 11 master musicians; Ralph Olson, pianist; Andrea Scarlatti, tenor; Coyne Electrical School serenaders.

WGN, Chicago, Ill. (370.2), 6:30-7:30 p. m., Drake concert ensemble, Blackstone string quintet; 8:30-9:30, studio program; 10:30-11:30, Drake Hotel Terrace Garden program.

studio program; 10:30-11:30, Drake Hotel Terrace Garden program.

WGY, Schenectady, N. Y. (379.5), 5:45 p. m., Albany Strand theater symphony orchestra; Julius Boxborn, conductor; Floyd H. Walter, organist; 6:30, feature, Child's Book of Knowleege.

WHT, Decrfield, III. (399.3), 7-8:30 p. m., Madame Emmy Ohl, soprano; Herman Bing, barltone; Oscar Heather tenor; Al Carney organist; ballads, John Clark; 8:45-10:05, (238), Elmer Kaiser's Rivervlew Park orchestra; 10:30-1, (399.8), Lydla Lockner, contralto; Brock Sisters; Al Carney; Husk O'Hare's orchestra.

Clark, 3.45-10.00, (285), Elliner Raiser's Riverview Park orchestra; 10.30-1, (309.8), Lydia Lockner, contrallo; Brock Sisters; Al Carney; Husk O'Hare's orchestra.

WIJD, Mooseheart, Ill. (302.8), 10:30 p. m.. Emilly Schnelder, Clarence Harper, Rudy Patek, Geneva organ, Charley Straight's orchestra.

WREC. Cincinnati, Ohio (422.3), 8 p. m., weekly book review, reading course, Alice B. Coy; 8:15, Lefia LeMarr, planist; 8:45, special features; 9:15, Bob Groenke, Jim Mischier.

WLS, Chicago, Ill. (344.6), 6:30 p. m., Ralph Emerson, organist, Martha Meier, contralto; 7:15, Cornluskers; 7:45, Iuliaby time, Aunt Martha and Uncle George; 8, Blanch Belka, mezzo-soprano; Roy Coleman, tenor; 8:15, Lone-Scouts; 8:45, WLS theater; 9, R. F. D. program; 10, Nubs Allen, contralto; 10:10, Czecho-Slovakian choral society, classical and national songs; 11. Cornhusker's orchestra.

WLW. Cincinnati, Ohio (422.3), 4 p. m., Shut-in program: 7 (dinner hour concert, Hotel Gibson orchestra, Robert Visconti, director; 10, plano recltal, 'Scenes from Many Lands; 11, Organ concert, Johanna; Grosse, WMAQ, Chicago, Ill. (447.5), 2:45 p. m., Cubs-New York baseball; 6, Chicago theater organ; 6:30, storles for children, Georgene Faulkner; 8, lecture, Northwestern university; 8:25, plano concerto, Carol Hurlbut, Kahleen McKittrick; 8:45, WMAQ, players.

WMBB, Chicago, Ill. (4250), 7-8:30 p. m., operatic program, J. Bodewalt Lampe, director; Deartice Teller and Trianon ensemble, Ambrose Wyrick, Rita McFavn, Hazel O'Neil, Armin F. Hand and the Woodlawn theater orchestra; 8:30-10:30, Dell Lampe and Trianon orchestra, Cccil Ward, George Forgythe, (Continued on page 12)

(Continued on page 12)

# COOLIDGE'S TALK AT NORSE-AMERICA

#### Index to Popular Concerts

T ABULATED below is a time table of the stations giving popular concerts this week. Stations are divided into the four different standard times in use. The hours are given in the kind of time in use at each listed station. By using this table as an index and referring to the complete programs below, full information will be obtained.

#### Atlantic or Eastern Daylight Saving Time Stations

Saturday, June 6: 6:05, WIP; 7, WNYC; 7:15, WEAF; 7:30, WHAR; 8:15, WEAF; 8:55, WEAF; 9:30, WFI; 9:45, WNYC; 10:15, WEAF; 10:30, WEAF

Sunday, June 7: 7:20, WCAE, WEAF, WEEI, WJAR; 9, WNYC; 10, WHN

WEAF, WEEI, WJAR; 9, WNYC; 10, WHN.

Monday, June 8: 7, WNYC; 7:30, WHAR; 7:45, WAHG; 8:30, WOO, WOR; 8:45, WAHG; 9, WEAF, WEEI, WJAR; 9:15, WAHG; 9:30, WHN; 10, WMCA; 10:45, WOR.

Tuesday, June 9: 7:30, WEAF, WHAR; 8:30, CKAC, WCAE, WDWF, WEAF, WFI, WEEI, WJAR; 9, WIP; 10, WGBS, WNYC; 10:35, WNYC; 11, WGBS; 12, WHN.

Wednesday, June 10: 8:15, WAHG, WHN; 10, WGR; 10:15, WGR; 10:30, WEEI.

Thursday, June 11: 7:30, WEAF

WEEI.
Thursday, June 11: 7:30, WEAF, WGBS; 8, WGR, WHN; 8:30, CKAC; 9, CHNC, WEAF, WGBS; 9:30, WGBS; 10, WHN; 12, WHN.
Friday, June 12: 6:30, WGBS; 7, WGR; 7:30, WHAR; 7:45, WAHG; 8, WAHG, WEAF; 8:15, WEBJ; 8:30, WAHG, WEAF; 9:30, WAHG, WEEI, WHN; 10, WGR, WLIT; 10:30, WLIT; 11:30, WHN; 12, WHN.

#### Eastern Standard or Central Daylight Saving Time Stations

light Saving Time Stations

Saturday, June 6: 6, W1BO; 8, WBBM, W1BO, WLS, WHAQ; 8:30, WMBB; 9, WBBM, WLS, WTAM; 9:30, WEBH, WMBB; 10, WBBM, WKRC, WLS, WQJ, WRC, WTAM; 10:30, WEBH, WGES, WJJD; 10:40, WSAI; 11, WBBM, WKRC, WLS, WQJ, WTAM; 11:30, WEBH, WGES; 12; WLS, WQJ; 12:30, WEBH, WGES; 12:35, WSAI; 1, WQJ; 1:20, WSAI; 2, WQJ; 2:40, WSAI; 1, WGJ; 1:20, WSAI; 2, WBBM, WTAS; 8:30, WTAS; 9, WBBM, WTAS; 8:30, WTAS; 9, WBBM, 9:30, WTAS; 10, WIBO; 10:30, WJJD, WTAS; 11, WIBO; 11:30, WTAS; 12, WBBM, Monday, June 8: 6:35, WGY; 8, WTAS; 9, WTAS; 10, WKRC, WSAI, WTAS; 10:30, WJJD; 11, WKRC; 12, WKRC.

Tuesday, June 9: 7, WSAI; 8, WEDGAS, WEBM, June 9: 7, WSAI; 8, WEDGAS, WARC, WSAI, WTAS; June 9: 7, WSAI; 8, WEDGAS, WERC, WSAI, WERC, WSAI, WERC, June 9: 7, WSAI; 8, WEDGAS, WERC, WSAI, WERC, WSAI, WERC, June 9: 7, WSAI; 8, WEDGAS, WERC, WERC,

WKRC.

Tuesday, June 9: 7, WSAI; 8, WBBM, WTAS; 8:15, WREO; 9, WBBM, WEAR, WTAS; 9:30, WEBH; 10:30, WEBH, WJJD; 11, WBBM, WKRC, WQJ, TWAS; 10:30, WEBH, WJJD; 11:30, WEBH; 12, WQJ; 12:30, WEBH; 1, WQJ.

Wednesday, June 10: 8, WBBM, WTAS, WWJ; 8:15, WKRC; 8:30, WEBH; 8:45, WKRC; 9, WBBM, WTAS; 9:15, WKRC; 9:30, WEBH; 10, WTAS; 10:10, WSAI, WQJ; 10:30, WEBH, WJJD; 11, WQJ; 11:30,

WEBH; 12, WQJ; 12:30, WEBH; 1,

WEBH; 12, WQJ; 12:30, WEBH; 1, WQJ.

Thursday, June 11: 6:30, WSAI; 7:30, WSAI; 8, WBBM, WTAS; 8:15, WREO; 8:30, WEBH; 10, WBBM, WTAS, WTA

Central Standard Time Stations

Central Standard Time Stations

Saturday, June 6: 6:30, WFAA; 8, WSB; 8:30, WSMB; 9, KFRU, WAMD; 9:30, WSMB; 9, KFRU, KFVE, WAMD; 10:45, WSB; 11, KFAB; 11:45, WDAF.

Sunday, June 7: 9:30, WFAA; 10:30, WFAA; 11, WBAP.

Monday, June 8: 6:30, WOAW; 6:45, WCCO; 7:30, KFAB, WBAP, WHO; 8, WCCO; 8:30, KFAB, WBAP, WHO; 8, WCCO; 8:30, KFAB, WBAP, WSMB; 9, KSD; 9:30, KFRU, WBAP; 10, WOI; 10:45, WSB; 11:45, WDAF.

Tuesday, June 9: 8, WSB; 9, WOAW; 10:30, KFRU; 10:45, WSB; 11:45, WDAF.

WOAW; 10:30, KFRU; 10:45, WSB; 11, KFAB; 11:30, KFRU; 11:45, WDAF; 12, WOAW.

Wednesday, June 10: 7:30, KFAB, WHO; 8, KFRU; 8:30, KFAB, WSMB; 9:30, KFRU; 11:45, WDAF.

Thursday, June 11: 7, WOAW; 8, WSB; 9, WOAW; 11, WFAA; 11:45, WDAF.

Friday, June 12: 7:30, KFAB, WHO? 8, WDAF.

Friday, June 10: 7:30, KFAB, WDAF.

WDAF. Triday, June 12: 7:30, KFAB, WHO; 8, WDAF, WSB; 8:30, KFAB, WFAA, WHO; 9, WCCO; 11, KFRU; 11:45, WDAF; 12, KFRU.

Mountain Standard Time Stations

Monday, June 8: 8, KOA. Wednesday, June 10: 8, KOA. Friday, June 12: 8, KOA.

Pacific Standard Time Stations Saturday, June 6: 8, KFWB, KNX; 9, KFWB, KNX; 10, KFI, KFWB; 11, KFI, KNX; 11:30, KHJ; 12, KFI, KNX; 12:30, KHJ; 1, KFI, KNX; 2, KFI.

Sunday, June 7: 8, KHJ; 9, KFWB; ), KFWB.

10, KFWB.

Monday, June 8: 8, KFWB, KNX;
9, KNX; 10, KFI, KFWB, KNX.

Tuesday, June 9: 8, KFI, KHJ,

KNX; 9, KFI, KFWB, KHJ, KNX,

KPO; 10, KFWB, KNX; 11, KGW,

KNX.

Wednesday, June 10: 7:30, KFI; 8, KFWB, KGW; 9, KFI, KFWB; 10, KFWB, KGW, KNX: 11, KNX.

Thursday, June 11: 8, KHJ, KNX; 9, KFWB, KHJ; 10, KFI, KFWB, KHJ; 11, KNX.

Friday, June 12: 8, KFWB; 9, KFI, KFWB, KHJ; 10, KFWB, KNX; 10:30, KGW; 11:30, KGW.



#### Thursday, June 11

Thursday, silent night for: CHIC, CHNC, CHYC CNRT, KFAB, KFAE, KFDM, KFMX, KFOA, KOA KOB, KSD, PWX, WAHG, WBAV, WCEE, WEAO WEBJ, WEBW, WHA, WHAD, WHAZ, WJJD, WKRC WRBC, WSAC, WTAM.

#### Atlantic or Eastern Daylight Saving Time Stations

CKAC, Montreal, Can. (410), 4/45 p. m., eabaret, Windsor hotel; 8:30, C. N. R. entertainers.
CNRM, Montreal, Can. (411), 9 p. m., orchestra, White Star-Dominion line; Bessie Anderson, soprano; P. B. Culler, tener.
WAHG Richmond Hill, N. Y. (315.6), 12:30-1:05 p. m., P. Donie Edde.

hotel trio; 8, concert, 9, shebuth and chestra.

WHN, New York, N. Y. (360), 7-7:30 p. m., Silver Silpper revue; 7:30-7:35, helath talk, Dr. Landis; 8-8:30, Will Oakland's Chateau Shanley; 9:30-10, Palisades Amusement Park orchestra; 10-10:30, Loewis vaudeville headilners; 12-12:30 a. m., Parody club revue and orchestra.

WIP, Philadelphia, Pa. (508.2), 6:05 p. m., Benjamin Franklin concert orchestra; 7, Uncle Wip's bedtime

storles; 8, Junior orchestra, West Philadelphia High School for Boys; 9, Lehigh Valley Railroad glee elub; 11, Howard Lanin's dance orchestra.

WIAR, Providence, R. I. (305.9), 8 p. m., program from New York; 9, Vietor presentation; 10, Goodrich Silvertown Cord orchestra.

WIY, New York, N. Y. (405.2), 8:15-8:25 p. m., talk, Field and Stream magazine; 10:30-11:30, Billy Wynne's Greenwich Village Inn orchestra.

WIZ, New York, N. Y. (454.3), 7-8 p. m., Bernhard Levitow's Hotel Commodore orchestra; 9-8:10, Wall Street Journal review; 8:10-8:30, NYU Air college; 8:30-10, U. S. Marine band; 10-10:30, staff recital, Keith McLeod, planist; Godfrey Ludlow, violinist; Milton J. Cross, tenor.

WKAQ, San Juan, P. R. (340.7), 8:30-10 p. m., musical concert, La Cafetera.

WLIT, Philadelphia, Pa. (394.5), 4:30 p. m., garden talk; 7:30, Dream Daddy's bedtime stories.

WMCA, New York, N. Y. (340.7), 11-12 p. m., Ernie, Golden and his Hotel McAlpin orchestra.

WNYC, New York, N. Y. (526), 6:50-7 p. m., market high spots; 7-7:25, song recital; 7:25-7:30, baseball results; 7:35-8, talk, Mayor John F. Hylan; 8-9, dance program, Harnett Donaldson and his orchestra; 9-10:30, concert program.

WO, Philadelphia, Pa. (508.2), 4:45 p. m., organ recital, Mary E. Vogt; 7:30, Hotel Adelphia roof garden orchestra.

WOR, Newark, N. J. (405.2), 6:15-7:30 p. m., Tom Cooper's orchestra.

#### Eastern Standard or Central Daylight Saving Time Stations

Saving Time Stations

AT9, Fort Bragg, N. C. (435), 9 p. m., dance orchestra.

KDKA, Pittsburgh, Pa. (309.1), 2:30-7 p. m., scores;
8, program, National Stockman and Farmer studio;
8:45, Teaberry time; 9:55, baseball; 10:30, concert,
Pittsburgh Post studio.

KYW, Chicago, III. (335.4), 6-6:30 p. m., dinner concert, Congress hotel; 6:35-6:53, speeches, American
Farm Bureau federation; 7-7:20, "Twenty Minutes
of Good Reading," Rev. C. J. Pernin; 7:20-8:15,
Adelaide Timereck, contratio; Jack Walker, tenor;
Katherine Johnson, soprano; Kathryn Bassi, harpist;
8:20, "Why Is Corned Beef?" John C. Cutting,
9-9:30, evening at home.

WBBM, Chicago, III. (226), 8-12 midnight, Maurice
Silverman, tenor; Sylvia Galnic, soprano; Tiny Dave
Nudelman, George Givot, Crillon orchestra.

WCX, Detroit, Mich. (516.9), 4:15 p. m., musical program;
6, dinner concert, Book-Cadillac hotel; 7, musical program.

WEAR. Cleveland. Ohlo (389.4), 7-9 p. m. WEAR pro-

gram; 6, dinner concert, Book-Ladillac, Intel: 7, mustcal prorage of the concert, Book-Ladillac, Intel: 7, mustcal program; 9-10, Metcalf Memorial organ recital, Vincent Barn; 9-10, Metcalf Memorial organ recital, Vincent WEBH, Chicago, III. (370.2), 7:30 p. m., Oriole concert orchestra; Edwin Kemp, tenor; 8:30, musical bits, Edviera theater; 9:30, Oriole dance orchestra; Belle Forbes Cutter, soprano; Beulah Ladon, violinist; Leroy North, planist; 11:30-1 Oriole dance orchestra; songs Paul Small; songs, Wayne Myers; Belle Forbes Cutter, soprano; Edwin Kemp, WGLS, Oak Park, III. (250), 5-6:30 p. m., Edgar Scott, tenor; Katherine Forbes, soprano; Edwin Kemp, tenor; 6:30-7 bedtime story; 10:30-1, A. Cavallo and his al. master musicians; Emily Liete, comedienne; Electrical School orchestra.

orchestra, Orchestra, Orchestra, Orchestra, Orchestra, Chicago, III. (370.2), 6:30-7:30 p. m., Drake concert ensemble, Blackstone string quintet; 8:30-9:30, studio program; 10:30-11:30, Drake Hotel Terrace

Garden program.

WGY, Schenectady, N. Y. (379.5), 5:30 p. m., program, Hotel Ten Eyek orchestra; 6:35, "Artificial Bait," A. Stanley Talbott; 6:45, Troy Salvation Army band; W. J. Streader, bandmaster; 8, Marine band program; 10:30, organ recltal, Stephen Boisciair.

WHT, Deerfield, III. (399.8), 7-8:30 p. m., Marilla Walsworth, soprano; Tony Corcoran, baritone; Margaret Garrity, pianist; Dorothy Wilkens, Thora Martens; Al Carney, organist; 8:45-10:05, (238), Elmer Kaiser's Riverview Park Ballroom orchestra; 10:30-1, (399.8), Sandy Meek, tenor; Nod Becker, gloom assassin;

#### Wednesday, June 10

(Continued from page 11)

Morey Alswang, Gillis & Owen, Anna Fleming Kenney, Lindsey McPhail, Clyde Hager.
WGJ, Chicago, Ili. (447-5), 7-8 p. m., Rainbo Garden orchestra; Jean Ballard, contraito; Gertrude Wolf Quentin, soprano; Fayette Miller, baritone; 10-1, Italnbo Skylarks; Bert Davis, Clown of the Air; Melodlans, Fred A. Jacobsen, Zefgler Sisters, Hicky and Jobnson, Brundage and Kraemer; 1-2, Ginger hour.

hour. WRC. Washington, D. C. (468.5), 5-6:30 p. m., U. S.

Marine band.

WREO, Lansing, Mich. (285.5), 10 p. m., baseball.

WSAI, Gineinnati, Ohio (326), 7 p. m., Freda Sanker's
Toudstool orchestra; 10, art talk; 10:10, Congress
playing card string quartet; Chester Miller, barltone;
1f, Helene Kessing, soprano.

WTAM, Cleveland, Ohio (389.4), 6-7 p. m., Phil Spitalmy's dance orchestra; 8-10, Hruby conservatory,
faculty and students' program; 10-11, Hollenoen hour,
Carl Rupp and his Hotel Hollenden entertainers; 1112, Euclid Beach orchestra.

WTAS. Elgin, 1ll. (302.8), 8-10:30 p. m., Villa Olivia
Radio concert; Frank Morris, Polly Willis, Eddie and
Fannle Cavanaugh.

Hartford, Conn. (348.6), 6:50 p. m., baseball

res.

, Detroit Mich. (352.7), 6 p. m., dinner concert;
Detroit News orchestra; Anne Campbell, poet; 9,
m Goldkette's Victor Recording orchestra.

#### Central Standard Time Stations

KFAB, Lincoln, Nebr. (240), 7:30-9:30 p. m., Blue Triangle club.
KFNF, Shenandoah, Ia. (266), 7:30 p. m., concert from Wales, Rev. E. W. Griffith.
KFRU, Bristow, Okla. (394.5), 8-10:30 p. m., enter-

KFVE, University City, Mo. (240), 6 p. m., Radiocast review of theaters, Romaine Fielding; 10, thirty minutes of fun, Jack; request numbers, KFVE studio artists, Marty, Steve, Lee, Dave, Ted, Three Spooks. (SD, St. Louis, Mo. (5451), 7 p. m., Lyric Skydome,

KSD, St. Louis, mo. (Journ), Silverman's orchestra. KTHS, Hot Springs National Park, Ark. (374.8), 8:30-8:40 p. m. baseball; 8:40, New Arlington Hotel Meyer

8:40 p. m. baseball; 8:40, New Arlington Hotel Meyer Davis ensemble.

WBAP. Fort Worth, Texas (475.9), 7:30-8:30 p. m., musical program; 9:30-10:45, Fred Cahoon's Texas hotel dance orchestra.

WCCO, Minneapolis-St. Paul, Minn. (418.4), 6 p. m., baseball; 7, midweek church service, Gloria Dei Lutheran church, Rev. E. E. Ryden, pastor; 8:30, University of Minnesota program; 9, baseball; 10:30, George Osborn's Original Nicollet hotel orchestra; 11:30, Eddie Dunstedter, organist.

WDAF, Kansas City, Mo. (385.8), 6-7 p. m., plano tuning-in number on the Duo-Art; speaker, auspices

Health Conservation association; address, speaker, Meat Council of Greater Kansas City; Tell-Me-a-Story Lady; Plantation players; S-10, Star's Radio-orderstra; 11:45-1, Merry Old Chief, Carl Nordberg's Plantation players; Charles Dornberger's Kansas City Athletic club orchestra; Trantalion Scaptive Spark and Modern WHA, Madison, Wis. (535.4), 8 p. m., University School of Music; "Franklin's Captive Spark and Modern Radio," Prof. E. M. Terry.
WHAS, Louisville, Ry. (399.8), 3:15 p. m., baseball; 7:30-9 p. m., string division, K. & I. Terminal Rall-road orchestra; University of Louisville banjo quartet. WHO, Des Moines, 1a. (526), 6:30-7:30 p. m. Reese-Hughes orchestra; 7:30-9, Cleveland Six program; 9:45, Des Moines theater symphony orchestra; 9:45-11, Cleveland Six dance program.
WOAN, Lawrenceburg, Tenn. (282.8), 12:15-12:45 p. m., Vaughan Radio orchestra; 9-10, Vaughan Radio orchestra; nale quartet.
WOG, Davenport, lowa (483.6), 6:50-7:10 p. m., "Children and Their Training," C. I. Dawdy; 9-10, musical program.
WSB, Atlanta, Ga. (428.3), 5-6 p. m., Bontie Barn-

wSB, Atlanta, Ga. (428.3), 5-6 p. m., Bondle Barnhardt's bedtime story; Georgian's orchestra; 10:45 Georgian's orchestra.

SMB, New Orleans, La. (319), 6:30-7:30 p. m., dinner music, baseball; 8:30-10:30, entertalnment.

Mountain Standard Time Stations

OA Denver Colo. (322.4) 8 p. m. Fred Schmitt and

KOA, Denver Colo. (322.4) 8 p. m. Fred Schmitt and his Rialto theater orchestra; 8:10 "The Capitain of Plymouth," comic opera; 10-12, Dave Ginsburg and his Argonaut orchestra.

Pacific Standard Time Stations

his Argonaut orchestra.

Pacific Standard Time Stations

KFAE, Pullman, Wash. (348.6), 7:30-9 p. m., Mary Cameron, planist; Dorls McReynolds, violinist; "Canine Distemper," Dr. George R. Fowler; "Modern Plant Doctors," George L. Zunder; "The Lost Art of Enjoying Oneself," Rev. R. W. Graves; "Interesting Washington Crop Records," Prof. E. G. Schafer.

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner's musical half hour; 6-6:15, McDaniel's nightly doings; 6-45-7, musical appreciation talk; 7-7:20, detective story, Nick Harris; 7:20, "Outline of Science," David Nelson Clark; 7:30-8, half hour of Hawaiian musio, Hawaiian Four; 8-9, continuity program; Ventura Refining company; "Summer Flesta of Music and Song;" 9-10, Examiner; Wampus program, press agents of the screen industry; 10-11, Patrick-Marsh dance orchestra, Betty Patrick, soloist.

KFWB, Hollywood, Calif. (252), 7-8 p. m., program, Beverly Ridge company; Beverly Ridge Collegians dance orchestra; 8-9, program, Arrowhead Springs company; Lake Arrowhead string quartet; Bill Hath and Ray Kellogg, the jazz twins; 9-10, Warner Brothers synopators; Charles Beauchamp, tenor; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGW, Portland, Ore, (491.5), 6-7 p. m., dance music, Jackie Souder's orchestra; 7:30-8, baseball; 8-10, concert; 10-11, concert, Sherman, Clay & company studio.

KHJ, Los Angeles, Calif. (405.2), 5:30-6 p. m., Leighton's Areade cafeteria orchestra, Jack Cronshaw, leader; 6-6:30, Art. Hickman's Biltmore hotel concert orchestra, Bdward Britantick, director 6:30-7:30, little stories American history, Prof. Walter Sylvester Hert-

DANCI (Central T

Gentral

Saturday, Jur
Kgw, Wpg; 8:
8:30, Ksd, Wgs; 9, Kgw
Wgbs; 9, Kfw
Wor, Wpg, Wtas; 9:30, Kf
Wrc; 10, Kf
Kpo, Wahg, Wc
Kfoa, Webh, Kfab, Wamd, W
Wreo; 11:45, V
Kgo, Kgw, Kgo,
Kja; 2:30, Kh
Monday, Jun
Monday, Jun

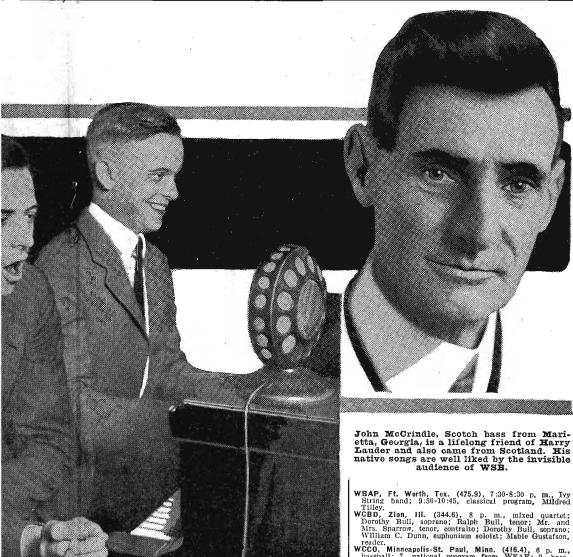
Monday, Jun-Wilt, Wnye, Wi 8:15, Wahg; 8:1 Weaf, Wmca, Wsmb; 8:45, Kfi, Wtas; 9:3 Wjid, Wmca, Wgr, Wtas; 10:1 Weee; 11, Kft Wdaf; 12, Kfi, 4 Kpo; 1; Knx.

Kpo; 1; Knx.
Tuesday, Jun
Wtas; 8:30, Ck
Webh, Wtp;
Weaf, Wmea, W
9:05, Wahg; 9:
9:30, Wbap, W.
Whn; 10, Wg
Wcee, Webh, Whap;
Wdaf; 12, K
Knx, Kpo, We
Kfoa.

Wednesday, S. Why. Will as 30, West, S. Whn, Wil wwij, 8:30, West, W. Wilas; 9:95, Wa Whap, Wgn, W. Wilas; 9:05, West, Wilas; 9:05, West, Wilas; 9:05, West, Wilas; 9:05, West, West, West, West, West, West, West, West, Wijar, Wasal, W. Webh, Wijy, Ws. Weau; 9, Kfw. Wijar, Wasal, W. Webh, Wijy, W. Weau; 9, Kfw. Wijar, Wasal, W. West, West, W. We

Weau; 9. Kfw
Wip, Wmoa, W
9.30, Kfkx, W,
9.30, Kfkx, W,
Wsnb, Wtas;
Kfwb, Whn; 10:
Webh, Wtas;
Kfwb, Wn; 1-45, V
Kff, Kgo, K,
Kpo, Wgl.
Friday, June
Wear, Wilt, W
8.30, Wahg, W,
Whn, Woo; 4
Wex, Weaf, Wk
Wgi, Wtas; 9:f
9.15, Kths; 9:
Cnrt, Wgn, 1
Wcco, Wgr, W,
Webh, Wjid, Y
Who; 11:45, Y
Khj; 12:05, K

# ICAN CENTENNIAL HEARD FROM WCCO



#### DANCING (Central Time)

(Central Time)

Saturday, June 6: 8,
Kgw. Wpg; 8:05, Wip;
8:30, Ksd. Weau; Webh,
Wgbs; 9, Kfwb, Weaf;
Wor. Wpg, Wdj, Wreo,
Wras; 9:30, Kges, Wgn,
Wrc: 10, Kfve, Koa,
Kpo, Wahg, Weec; 10:30,
Kfoa, Webh, Wjid; 11,
Kfab, Wand, Waa, Woe,
Wreo; 11:45, Wdaf; 12,
Kfab, Wand, Waa; 12,
Kfab, Kgw, Krs; 12:50,
Kfoa; 12:50, Kgs; 1,
Khj; 2:30, Khj.

Monday, June 8: 6,

Khj; 2:30, Khj.

Monday, June 8: 6,
Wilt. Wnyc, Wtas, Wwj;
8:15, Wahg; 8:30, Kfwb,
Weaf, Wmca, Woo,
Wsmb; 8:45, Whn; 9;
Kfl, Wtas; 9:30, Weee,
Wjid, Wmca, Wor; 10,
Wgr, Wtas; 10:33 Kfoa,
Wcee; 11, Kfwb; 11:45,
Kdaf; 12, Kfl, Kgod, Knx,
Kpo; 1; Knx.
Tuesday, June \$f\$ 8,

Kpo; 1; Knx.

Tuesday, June Wtas; 8:30, Cliac, Weath, Wip; 19 Wcau, Wes, Weat, Wna; 9:18 Kths; 9:30, Wbap, Weee Wen, Whn; 10:30, Weee, Webh, Wid; 11:Kfab, Wbap; 11:45, Knx, Kpo, Wq; 12:05, Kfoa.

Agatha Karlen, reader; Husk O'Hare's orchestra; Al Carney, organist; Sl Berg, ukulele soloist; Walter Duns, Chiego; II. (134.6), av., soprano. Ralph Emerson, organist, Martha Meier, contraito; 7:15 Cornhuskers; 7:45, lullaby time, Aunt Martha nad, Uncle George; 8. WLS theater.

WLW. Cineinnati, Ohio (422.3), 4 p. m., French Lesson, Madame Ida Teimpidis; piano recital, Adelaide Apfel; 7, dinner hour concert, Hotel Gibson orchestra, directed by Robert Visconti; 8, Secretary Hawkins; 10, three minute message, Civil Service Department of the U. S. Government; 10:30, orchestra concert; 11:15 popular program, Irene Downing and Marjory Hebestrelt; other features to be announced.

WMAQ, Chicago, III. (447.5), 2:45 p. m., Cubs-New York baseball; 6, Chicago theater organ; 6:30, Hotel LaSalle orchestra; 8, speaker; 8:15, Boy Scott program; 8:30. University of Chicago lecture; 9:15, Danish Workmen's Singing society.

WMBB, Chicago, III. (425.), 7:30-2:30 p. m. semiclassical program J. Bodewalt Lampe; Beatrice Teller and Trianon ensemble; Ambrose Wyrick, Rita Morismen, Hazelo O'Nell, Armin F. 13nd and the Woodlawn hazelo organistra; Rigo-nes Yenny, Fisher & Smith, Charles Agne and Trianon Syncopators, Johnnie Keane, Duff;
WQI, Chicago, III. (447.5), 7-8 p. m., Ralph Williams and his Rainbo Gardens orchestra; Kenneth Sterling, tenor; Adeline Keller, contrator, Hazel Milne, pianist; 10-1, Ralph Williams and his Rainbo Skylarks; Ila Shannabrook, soprano; Axel Christenson; Ned and Ches; Marle Wright, soprano; Lucas Sisters; Lew Butler; 1-2, Ginger hour.

WRC, Washington, D. C. (468.5), 7 p. m., Shoreham hotel orchestra; Trang, Wester, futist; Reo mk Northrup, pianist; Thomas Metzer, futist; Reo male quartet; local talent; 10, baseball.

WSAI, Cincinnati, Ohio (326), 6:30 p. m., Hotel Sinton instrumental trio; 7, Program from New York studic; 7:30,

chestra; Frank Morris, Polly Willis, Education Cavanaugh.
WTIC, Hartford, Conn. (348.6), 6 p. m., Hotel Bond trlo; 6:50, baseball scores; 7, dinner music.
WWJ, Detroit, Mich. (352.7), 6 p. m., dinner concert; 7, concert from New York.

The concert from New York.

Standard Time Stations

Central Standard Time Stations

CKY, Winnipeg, Can. (384.4), 8 p. m., program, CNRW. CNRW, Winnipeg, Can. (384.4), 9 p. m., Kathleen Daly, soprano; Fort Garry hotel tric; Kathleen Daly, soprano; Emile Mignacca, violinist; Frank Redlich, cellist; Warda M. August, accompanist; 10, dance program

celllst; Warda M. August, accompanist; 10, dance program.

KFKU, Lawrene, Kan. (275), 8:50 p. m., plano tuning-in number; 7, music; 7:15, "Speed in Handling News," Prof. W. A. Dill; 7:30, "Interesting Biography, George Moredith," Prof. Sara G. Laird; 7:45, psychology, Dean R. A. Schwegler.

KFMQ, Fayetteville, Ark. (299.8), 7:30 p. m., "How the County Agents Assist in Farm Production and Marketing," R. Roy Reid; "What Does a State Owe Its Children," Dr. C. Reinoehl; "Municipal Progress vs. Personal Selfishness," B. F. Mullins.

KFNF, Shenanidah, Ia. (266), 7:30 p. m., concort, Humboldt, Neb., Junior Choir Presbyterian church.

KFRU, Bristow, Okia., (394.5), 10:30-11:30 p. m., pipe organ.

RFRU, Bristow, URIA, (1994.9), 10.00-11.00 p. m., p., p., organ.
KFVE, University City, Me. (240), 6 p. m., Radiocast review, Romaine Fielding,
KLDS, Independence, Mo. (268), 8 p. m., program; E.
N. Brinkman, contraito; C. B. Carpenter, soprano;
Mrs. Herbert Spokesfield, pianist; "The Manufacture of Decorative Tile."
KTHS, Hot Springs National Park, Ark, (374.8), 8:30-8:40 p. m., baseball; 8:40-9:15, orchestra concert, New Arlington hotal; 9:15-10, Lawson Reid, organist.

WBAP, Ft. Worth, Tex. (475.9), 7:30-8:30 p. m., Ivy String band; 9:30-10:45, classical program, Mildred WBAT, T. String band; 9:30-10:45, classical program, String band; 9:30-10:45, classical program, Tilley.
WCBD, Zion. III. (344.6), 8 p. m., mixed quartet;
Dorothy Bull, soprano; Ralph Bull, tenor; Mr. and
Mrs. Sparrow, tenor, contralto; Dorothy Bull, soprano;
William C. Dunn, euphonium soloist; Mable Gustafson,

wDAF, Kansas City, Mo. (365.6), 6-7 p. m., book talk, Louis Mecker; Tell-Me-a-Story Lady; Plantation players; 11:45-1, Merry Old Chief, Plantation players; Johnnie Campbell's Kansas City club orchsetra. WFAA, Dallas, Texas (475.9), 6:30-7:30 p. m., Lone Star Elve's Seven-Piece orchestra; 8:30-9:30, Margaret Knight, singer; Johnye Davis, planist; Tom Collins, guitarlst; 11-12, Old Mill theater entertainers.

tainers.

WHAS, Louisville, Ky. (399.8), 3:15 p. m., baseball;
7:30-9, New Albany night, Mrs. J. E. Harmon, Jr.,

7:30-9, New Albany night, Mrs. J. E. Harmon, Jr., director; baseball.
WHO, Des Moines, Ia. (526), 7:30-9 p. m., music; 11-12, dance program.
Who, Memphis, Tenn. (499.7), 8:30 p. m., concert, O. K. Houck Plano company.
O. K. Houck Plano company.
OAN, Lawrenceburg, Tenn. (262.8), 12:15-12:45 p. m., Vaughan Radlo orchestra; 9-10, Vaughan Badlo orchestra: male quartet.

chostra; male quartet.

WOAW, Omaha, Nebr. (526), 6 p. m., every child's

story hour, Grace Sorenson: 6:20, baseball; 6:30,
classical program; 7, Randall's Royal Fontenelle orchestra; 9, Sunshine program, Loose-Wiles Biscult

chestra; 9, Sunsinie program, Leose-Tries Company, WOC, Davenport, Ia. (483.6), 6:3016:50 p. m., sandman's visit; 7-9, program from New York; 9-9:20, "Where the West Begins," Hon. Henry R. Rathbone; 11-12, Louis Connor and his LeClaire hotel orchestra; Peter MaeArthur, baritone.
WOI, Ames, Ia. (270), 8:15 p. m. musical program.
WSE, Atlanta, Ga. (428.3), 5-6 p. m., Bonnie Barnbardt's bedtime story; 8-9, entertainment; 10:45, Dr. Charles A. Sheldon, organist.
WSMB, New Orleans, La. (319), 6:30-7:30 p. m., dinner musicale; 8:30-10:30, serenaders.

Mountain Standard Time Stations CNRC, Calgary, Can. (435), 9-11 p. m., Artbur Powell, planlst; George Boothman, baritone; Jeanette Roney, coprano; Excellsior entertainers.

Pacific Standard Time Stations

Facinc Standard Time Stations (FI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner's musical half hour; 6-6:15, McDanlels' nightly dolngs; 6:45-7, radiotorial talk; 7-8, program arranged by Maude Reeves Barnard, mezzo-soprano; 8-9, Chickering Hall, Southern California Music company; 9-10, KFI Symphony players, Dorothy Woods, readings; 10-11, Examiner: Harry Moore's famous Ventura orchestra.

orchestra.

KFWB. Hollywood, Calif. (252), 7-8 p. m., Vince Rose's original Montmarts cufe dance orchestra; 8-9, Lake Arrowhead dance orchestra, Carrol Huxley, leader; 9-10, popular hour, Miller's International Hawalian trio, Bill Hatch and Ray Kellogg, Parks Sisters and others; 10-11, Warner Brothers frolte, direction Charlie Wellman

10-11, Warner Brothers frolle, direction Charlie Wellman.

KGO, Oakland, Calif. (361.2), 8 p. m., California Music Teachers' association, Irene Howland Nicoli, contraito; Lillian H. Heyer, soprano; Esther Mundell, soprano; Mme. Stella Vought, soprano; Allan Wilson, tenor; Mendrick Gjerdrum, pfanist; Linchon S. Batchelder, planist; George Edwards, organist; Allee Guthrie Popmer, violinist; Luther Marchant, baritone; 10-1, Henry Maistead's orchestra.

KGW, Porfland, Ore. (481.5), 7:36-8 p. m., baseball; 8-9, program, Yale Laundry company; 10:12, Herman Kenin's Multnomah hotel orchestra.

KHJ, Los Angeles, Calif. (405.2), 6:30-7:30 p. m., little storles American history, Prof. Walter Sylvester Hertzog, Dickle Brandon, screen juvenile and Uncle John, Grace Crowner, pianist; 7:30, "Business Insurance," Chas. Lewen; 8-10, program, John Wright, the Right Tallor, arranged by Uncle John; 10-10:30, Valvoline trio; 10:30-1130, Art Hickman's Elltmore hotel dance rochestra. Earl Burtnett, leader.

KNX, Hollywood, Calif. (336.9), 5:30-6 p. m., Wurlitzer pipe organ studio, sports talk by Sid Ziff; 6:15, travel talk, W. F. Alder; 6:30-7:30, dinner hour music; 7:30-8, one act play, KNX players, Edward Murphey, Calif. (350.8), 5:30-6 p. m., Wurlitzer pipe organ studio, sports talk by Sid Ziff; 6:15, travel talk, W. F. Alder; 6:30-7:30, dinner hour music; 7:30-8, one act play, KNX players, Edward Murphey, Calif. (405.2), header of the program, Brents Furniture company; 9-10, KNX feature program, 10-11, Abe Lyman's Cocoanut Grove dance orchestra from Ambassador hotel; 11-12, collegiate hour, students of University of California, Southern Branch.

hour, students of University of California, Southern Branch.

KPO, San Francisco, Calif. (428.3), 7-7:30 p. m., Rudy Seiger's Fairmont hotel orchestra; 8-8:50, Theodore J. Irwin, organist; Mrs. A. H. Patterson, soprano; 8:50-9, golf playing, Harold Sampson; 9-10, program, George H. Caswell Coffee company; 10-11, Johnny Buick's Cabirians.

#### Friday, June 12

Friday, silent night for: AT9, CHIC, CHNC, CHYC, CKAC, KFKU, KFKX, KFMQ, KGO, KLDS, PWX, WBBR, WCBS, WAA, WKAQ, WKAC, WLW, WOI, WRBC, WRC, WREO, WSAI, WTAM.

Atlantic or Eastern Daylight Saving Time Stations

Time Stations

CNRA, Moncton, Can. (313), 7:30 p. m., bedtime stories; 8:30, Mrs. Jack Rayworth, soprano; A. J. Mason, tenor; J. Gibson Davis, violinist; Eleanor Somers, soprano; R. J. Wurd, reader; CNRA orchestra. WAHG, Richmond Hill, N. Y. (315.6), 7:30-7:45 p. m., sport talk, Thornton Fisher; 7:45-8, songs, Bob Schafer and Fred Fisher; 8-8:15, plano duets, Helen and Betty Lasner; 8:15-8:30, the Davison Sisters; 8:30-8:43-8 bot Schafer, Fred Fisher; 3:45-9, M. Lambertt, cellist; 9-9:15, John Finnegan, tenor; 9:15-9:30, Helen and Betty Lasner; 9:30-9:45, the Davison Sisters; 9:45-10, M. Lambertt, cellist; 19-10:15, John Finnegan; 10:15-10:30, Radio question box, William F. Diehl; 10:30-10:55, dance orchestra, Asciutto Brothers; 11:15-11:30, Asciutto Brothers.
WBZ, Springfield, Mass. (333.3), 7:45 p. m., "Poultry Flock Management," Prof. William C. Manahan; 8, Chickering studio; 9, Myrtle Atchinson Walmer, pianist; Stuart Lynam, violinist; 9:40, United States Naval history, E. S. R. Brandt; 9:50, baseball. WCAE, Pitisburgh, Pa. (461.3), p. m., dinner concert, William Penn hotel; 8:30, Union High musical club. WCAU, Philadelphia, Pa. (245) 6 p. m., Hotel Pennsylvania Interfratemity dance orchestra; 6:30, Charles Verna's dance orchestra; 6:30, Charles Verna's dance orchestra; 6:30, Charles Verna's dance orchestra; 6:30, Charles WeAU, Philadelphia, Pa. (245) 6 p. m., Hotel Pennsylvania Interfratemity dance orchestra; 6:30, Charles Verna's dance orchestra; 6:30, Charles Verna's dance orchestra; 9:40, Sunday school lessons; 10:30, Charles Verna's dance orchestra; 6:30, Charles Verna's dance orchestra; 6:30, Charles Rein WeAU, Philadelphia, Pa. (451.5), 6-7 p. m., dinner music, Waldorf-Astoria; 7:30-7:45, children's story, Blanche Ellzabeth Wade; 8-8:30, the Happiness Boys; 8:30-9, Spear & Company home entertainers; 9-9:30, Adam Carroll trio; 9:30-9:45, Fenwick Newell, tenor; 11-12, dance program.

WEAR, Cleveland, O. (389.4), 7-8 p. m., children's hour; 8-11, dance music.
WEBJ, New York, N. Y. (233), 7-730 p. m., Blenheim theater ensemble, direction of Sol Klein; 7:45-8, companied by Ruth Sneeberg; 8:15-9, Marvelian Alfred Seeger, baritone; 8-8:15, Mary E. Keller, ac-Serenaders.

Serenaders.

WEEI, Boston, Mass. (476), 6:30 p. m., Big Brother club; 7:15, musicale; 7:30, program, Whiting's Milk company; 8, program, Neapolitan Ice Cream company; 8:30, organ recital, Boston Chamber of Company; 8:30, organ recital, Boston Chamber of Company; 8:30, varan recital, Boston Chamber of Company; 8:30, Valeteria enteretainers; 9:30, Gray Gables musicalle, 8:40, Selevier and Concert orchestra; 7. bedtime & Bellevie Stratford concert orchestra; 7. bedtime stories.

man, planist; 6:30, Bellevue Stratford concert orchestra; 7, bedtime stories.

WGBS, New York, N. Y. (315.6), 6-6:30 p. m., Uncle
Geebee; 6:30-7, Clarence Williams trio.

WGR, Buffalo, N. Y. (319), 2:30-4:30 p. m., WGR's
afternoon program, A. J. Erisman, director; \$7-7:30,
Winger's Crescent Park entertainers; 8-9, educational
opera entertainment, "Anima Allegro," Vittadini, directed by Elinor D. Baker; 9-10, the Five Mangusos
in a mosical program; 10-10:30, John Dodsworth,
reader; May E. Boocock, planist; 11-1 a. m., supperdance music, Vincent Lopez Hotel Statler dance orchestra, Harold Gieser, director.

WHAR. Atlantic City, N. 1, (275), 7:30 p. m. Sea-

wHAR, Atlantic City, N. J. (275), 7:30 p. m., Seaside hotel trlog 9, Shelburne hotel concert orchestra; 11, Strand theater.

WHN, New York, N. Y. (360), 7:30-7:35 p. m., health talk, Dr. Landis; 9:30-10, Clover Gardens entertainment; 10:30-11, Roseland dance orchestra; 11:30-12, Club Alabam orchestra; 12-12:30 a. m., Parody club revue and orchestra

Club Alabam orcnesua, 12-12.

revue and orchestra.

WIP, Philadelphia, Pa. (508.2), 3 p. m., recital, Edna
Valrie Boyer School of Music; 6:05, Benjamin Franklin concert orchestra; 7, Uncle Why's bedlime stories.

WJAR, Providence, R. I. (305.9), 8 p. m., musical program; 9, Maine Creamery hour; 11, Providence Bilt-

WIAR, Providence, R. I. (305,9), 8 p. m., musical program; 9, Maine Creamery hour; 11, Providence Biltmore hotel orchestra.

WJV, New York, N. Y. (405,2), 8:15-8:45 p. m., "Oliver Twist," WGY players.

WIZ, New York, N. (454,3), Novins; 5:30-6, daily reports; 7-8, Savarin ensemble; 8-8:10, Wall Street Journal review; 8:15-8:45, Wurlitzer musicale.

WLIT, Philadelphia, Pa. (394.5), 4:30 p. m. Marcella North, planist; 7:30, Dream Daddy's bedtime stories; 8, book review, Allyn C. Saurer; 8:30, Emmett Welch's Ministrels direct from Atlantic city; 9:30, M. Volgarina; 9:45, Spike Hamilton's dance orchestra from Atlantic city; 10, Arcadia cafe dance orchestra from Atlantic city; 10, Arcadia cafe dance orchestra: Morning Glory club concert; spedatiles by Ruius and Rastus; songs by Carl Zochrns.

WMCA, New York, N. Y. (340.7), 6:30-7:30 p. m., Ernle Golden and his Hotel McAlpin orchestra; 9-10, Hardman hour of music.

WNYC, New York, N. Y. (526), 6:50-7 p. m., market high spots; 7-7:25, dance program; 7:25-7:30, baseball results; 7:35-7:50, resume of meeting of Board of Estimate; 8-9:30, concert program; 7:30-01-030, dance program.

WOO, Philadelphia, Pa. (508.2), 4:45 p. m., organ re-

Program.

WOO. Philadelphia, Pa. (508.2), 4.45 p. m., organ recital, Mary E. Vogt; 7:30, A. Candelori's concert orchestra; 9, WOO orchestra, Robert E. Golden, director; 10:03, organ recital, Mary E. Vogt; 10:30, Vincent Rizzo's dance orchestra.

WOR. Newark, N. J. (405.2), 6:15-6:30 p. m., Hotel Lorraine orchestra; 6:30-7, Man In Moon; 7-7:30, Hotel Lorraine orchestra.

#### Eastern Standard or Central Daylight Saving Time Stations

CNRT, Toronto, Can. (357), 5:30 p. m., Luigl Romanelli and hls King Edward hotel concert orchestra; 8:30, Ye Olde Tyme Village quartet; Kriesson trio; 10:30, Luigl Romanelli and hls King Edward hotel dance orchestra.
KDKA, Pittsburgh, Pa. (309.1), 2:30-7 p. m., baseball;

8:45, concert.

KYW, Chicago, III. (535.4), 6-8:30 p. m., dinner concert, Congress hotel; 6:30-7:30, KYW's Evening American studio; 9-11:30, midnight revue, Paul Whiteman's Collegians; Albert May Malotte, organist.

WBAV, Columbus (293.7), 8 p. m., Columbus mandolinistics; Ben Bennett, bartione.

WBBM, Chicago, III. (226), 8-10 p. m., Al Furry, Frank Johnson, Sandy Meek, Lester Kelsey, Harry Sosnik Crillon porchestra.

WBBM, Chicago, Ill. (226), 8-10 p. m., Al Furry, Frank Johnson, Sandy Meek, Lester Kelsey, Harry Sosnik Crillon orchestra.

WCEE, Elgin, Ill. (275), 10:30-12 midnight, Joe Rudolph and the Boss's own orchestra; Frank Morris, Polly Willis, Eddie and Fannie Cavanaugh.

WCX, Detroit, Mich. (516.9), 2 p. m., musical program; 6, dinner concert. Book-Cadillac hotel; 7, musical program; 10, dance music, Arcadia auditorium.

WEAR, Cleweland, Ohlo (339.4), 3:30-5 p. m., musicale, Hotel Cleveland orchestra; Ivan Francisci, conductor; 7-8, Park theater orchestra; Angelo Vitale, conductor; 9-10, evening hour, light opera selections.

WEBH, Chieage, Ill. (370.2), 7:30 p. m., Oriole concert orchestra; Florence Behrend, soprano; 3:30, violin trio; talk, Father Pernin; Cambridge Sisters; 9:30, Orlole dance orchestra; Rita McFawn, soprano; Jack Penewell, twin guitarist; 11:30-1, Oriole orchestra; Sandy Meek, Scotch tenor; Harry Sosneck, accompanist; Jack Penewell, twin guitarist.

WGES, Oak Park, Ill. (250), 5-6:30 p. m., Madeline Reed, contralto; McDebbit Sisters; John Stamford, tenor; John Rankel, baritone; 10:30-1, A. Cavallo and his 11 master musicians; Rudolph Hess, Sandy McFavlseb; Jimmy Eggert; Coyne Electrical School seronaders.

WGN, Chieago, Ill. (370.2), 6:30-7:30 p. m., Drake

McTavlseb; Jimmy Eggert; Coyne Electrical School seronaders.

WGN, Chicago, III. (370.2), 6:30-7:30 p. m., Drake concert ensemble, Blackstone string quintet; 8:30-9:30, studio program; 10:30-11:30, orchestra. WGY, Schenectady, N. Y. (379.5), 5:30 p. m., International Sunday school lesson; 7, Albany Strand symphony orchestra; Julius Boxhorn; conductor; Ployd H. Walters, orcanist; 6:45, WGY orchestra; 7:15, "Ollver Twist," WGY players; Ten Eyck Clay, conductor; 9:30, orchestra; George Harris, tenor.

WHT. Deerfield, III. (399.8), 7-8:30 p. m., Bryce Talbot, soprano; Genevieve Barry Burnham, soprano; Albert Carney, organist; Madame Emmy Ohl, soprano; Al Carney, organist; ballada, John Clark; 8:46-10:05, (238), Elmer Kuiser's Riverview Ballroom orchestra; Al Carney, organist; ballada, John Clark; 8:46-10:05, (238), Elmer Kuiser's Riverview Ballroom orchestra; Al Carney, organist; 10:30-1, (399.8), Fred Agard, tenor; Marle Wright, soprano; Book Sisters; Husk O'Hare's orchestra.

W180, Chicago, III. (226), 2-4 p. m., popular program for Shui-Ins, Dan Russo, Ted Fiorito; 6-8, Harmony singers; Agatha Karlen, reader; Alvina, soprano; Dr. C. B. Roe, bartione; Carl Bertachinger, pianist.

W19D. Mooseheart, III. (302.3), 10:30 p. m., Senator Kessinger, Tom Loftus, Dick Vail, Lew Abott, Geneva organ, Bill Benson, Charley Straight's orchestra.

WLS, Chicago, III. (344.6), 6:30 p. m., Ralph Emerson, organist; 7:15, Cornhuskers; 7:45, Iullaby time, Au.t Martha and Uncle George; 8, Cornhusker's orchestra; 8:10, Wm. F. Antzen, tenor, Norwegian, Italian and English songs; 8:25, soloists, mixed quartet, Harrison Technical high school; Maurice Bank, director; 8:15, drama; 9, R. F. D. progvan; 10, Cornhuskers; 10:15, Cornhuskers; 10:11, Westminster quartet; 11, Nubs Allan, contrallo; 11:15, Cornhuskers.

drama; 9, R. F. D. program; 10, Cornhuskers; 10:15; Westminster quartet; 11, Nubs Allan, contrailto; 11:15; Cornhuskers, Mestminster quartet; 11, Nubs Allan, contrailto; 11:15; Cornhuskers, WAAQ, Chicago, III, (447.5), 2:45 p. m., Cubs-Bruotkyn baseball; 6, Chicago theater organ; 6:30, Hotel La-Salle ordelextr; 6:30, Family Altar league; 8, weekly wide-awake chu; 8:30, musical geography, Mr. and Mis. Alarx E. Oberndorler; 9, Christian Endeavor topics; 9:15, American conservatory.

WMBB, Chicago, III. (250), 7-8:30 p. m., semi-classical program, J. Bodewalt Lampe; Beatrice Teller and Trianon ensemble, Ambrose Wyrick, Rita McFawn, Hazel O'Neil, Armin F. Hand and the Woodlawn theater orchestra; 8:30-10:30, Dell Lampe and Trianon orchestra. Geraldine Doyle, Cecil Ward, Lindsey Mc-Phall, Art Linick and Lee Sims, Clyde Hager.

WQ1, Chicago, III. (447.5), 7-3 p. m., Ralph Williams and his Rainbo Gardens orchestra; Albert M. Milton, Jr., tenor; Marie Watson Tilton, pianis; Helen Holman, suprano; 10-1, Ralph Williams and his Rainbo Skylarks; West Brothers; Zeigler Sisters; Lauretta Giles; Nate Caldwell; Brundage and Kraemer; Ila Shannabrook, soprano; 1-2, Ginger hour.

WREO, Lansing, Mich. (285.5), 10 p. m., baseball. WTAM, Cleveland, Ohio (369.4), 6-7 p. m., Austin Wy-lie and his Golden Phensant orchestra.

WATAS, Elgin, III. (302.8), 8-10:30 p. m., Joe Budolph and the Boss's own orchestra; Eddie and Fannie Cavanaugh, Frank Morris, Polly Willis.

WTIC, Hartford, Conn. (348.6), 6:50 p. m., baseball scores; 7, talk; 7:15, mixed quartet, Burton Hawley, aecompanist; Robert Doellner, violinist; 8:30, Emil Heimberger's Hotel Bond orchestra.

WWJ, Detroit, Mich. (352.7), 6 p. m., dlnner concert; 8, Detroit News orchestra; 9, Jean Goldkette's Victor Recording orchestra.

Central Standard Time Stations Winnipeg, Can. (384.4), 8:30 p. m., studio pro-

CKY, Winnipeg, Can. (007.7), C.D. gram.

KFAB, Lincoln, Nebr. (240), 7:30-9:30 p. m., Esther Mills, soprano; Colonians orchestra; August Dietz; Frank Wilson, xylophonist.

KFDM, Beaumont, Tex. (315.6), 7-7:30 p. m., children program; 8-10:30, Magnolia Petroleum Company's Referred band.

program; 8-10:30, Magnolia Petroleum Company's Refinery band,
KFRU, Bristow, Okla. (394.5), 11-1 a. m., Informal frolic; Brown Derby club.
KFVE, University City, Mo. (240), 6 p. m., Radiocast review, Romaine Fielding; 10, Duke with the Uke, Marion Brown, Ucltians orchestra; William Kern, organist; "What Radio Is Doing for the Business Man," David Franklin.
KSD, St. Louis, Mo. (545.1), 7.30 p. m., "Commerce Hour," Max Steindel, cellist; Esmeradia Berry Mayes, pianist; 8, Val R. Bang, flutist; Mrs. Charles Bang, soprano; Mrs. J. H. Boelling, planist; 9, Vin James, pianist.

planist. (THS, Hot Springs National Park, Ark. (374.8), 8:30-8:30 p. m., baseball; 8:30-9:15, New Arlington-Meyer Davis instrumental quartet; 9:15-10:15, Como Hotel

rden. Ft. Worth, Tex. (475.9), 7:30-8:30, mixed pro-violin, piano, vocal; 9:30-10:45, Hall Buli

gram, violin, piano, voca, string band.

WCCO, Minneapolis-St. Paul, Minn. (416.4), 6 p. m., baseball; 6:15, Original George Osborn's Nicollet hotel orchestra; 8, musicale; 9, baseball; Harry Snodgrass, plants; J. W. Whitten; 10, Dick Long's Nankin cafe

plantist, J. W. Whitten; 10, Dick Long's Nankin cafe or credestra.

WDAF, Kansas City, Mo. (365.6), 6-7 p. m., piano tuning-in number on the Duo-Art; literary talk, H. Clay Harvey; speaker, Kansas City children's bureau; Tell-Me-a-Story Lady; Plantation players; 8-10, golf lesson, Kansas City professional; 11-45-1, Merry Old Chief; Plantation players; Charles Dornberger's Kansas City Athletic elub orchestra.

WFAA, Dallas, Texas (475.9), 6:30-7:30 p. m., Jefferson Law School orchestra; 8:30-9:30, DeWitt Mc-Murray's Minstrel show.

WHA, Madison, Wis, (535.4), 7:45 p. m., "Significance of Musical Organizations in the Secondary Schools," Survey of Musical Organizations in the Secondary Schools, The Church; "Summertime Reading," Dudley C. Brocks.

WHAS, Louisville, Ky. (399.8), 3:15 p. m., baseball; 7:30-9, concert, Bernice Lake, director.

WHO, Des Moines, Ia, (526), 7:30-9 p. m., Great Western Sliver String serenaders; Helen G. Ross; Helen Birmingham, accompanist; 11-12, Resse-Hughes orchestra.

WMC, Memphis, Tenn. (499.7), 8:30 p. m., Britting's

Birmingham, accompanist; 11-12, Reese-Rugnes of chestra;
WMC, Memphis, Tenn. (499.7), 8:30 p. m., Britling's Cafeteria novelty orchestra; 11, frolic, Bob Miller.
WOAN, Lawrenceburg, Tonn. (282.8), 12:15-12:46 p. m., Yaughan Radio orchestra; 9-10, Vaughan Radio orchestra; Yaughan Recording male quartet.
WOAW, Omaha, Nebr. (526), 6 p. m., Busical review. Hester Bronson Copper; 6:20, baseball scores; 6:30, orchestra; 7:10, eurrent sport events, Ivan L. Gaddis; 9, program, auspices Union Pacifie R. R. company; 10:30, Brandels tea room orchestra.
WOC, Davenport, 1a. (483.6), 8-9 p. m., musical program.

wSB, Atlanta, Ga. (428.3), 5-6 p. m., Bonnie Barn-hardt's bedtime story; 8-9, entertainment; 10:45,

quartet.
WSMB, New Orleans, La. (319), 6:30-7:30 p. m., dinner musicale, baseball. Mountain Standard Time Stations

Mountain Standard lime Stations
CNRE. Edmonton, Can. (516.9), 6 p. m., program,
MacDonald hotel; 7:45, children's half hour; 8:30,
Harry McAnsh and his orchestra.
KOA, Denver, Colo. (322.4), 8 p. m., Fred Schmitt and
his Rialto theater orchestra; 8:10, "A Trip Through
the Rockles," P. H. Rellly; Columbia male quartet;
"Orientation of a Tramp in Asia," J. G. Kretschmer;
KOA orchestra; vocal duets, Hulda Helen Edwards,
Ralph Freese; G. Ralph Crowder, planist.

Pacific Standard Time Stations
KFAE. Pullman. Wash. (348.6), 7:30-9 p. m., Boy

KFAE, Pullman, Wash. (348-6), 7:30-9 p. m., Boy Scout band, William P. Hanson, director; Margaret Miller, vocalist; Frances Lockwood, planist; "Swarm Control," B. A. Slocum; book chat, Allee Lindsey Webb; "Summer Care of Flower Gardens," Prof. O. M.

Control." B. A. Slocum; book chat, Auce Linuscy Webb; "Summer Care of Flower Gardens," Prof. O. M. Morris.

KFI, Los Angeles, Calif. (467), 5:30-6 p. m., Examiner's matinee program; 8-6:15, McDaniels' nightly doings; 6:45-7, radiotorial talk; 7-8, Examiner program arranged by Jean Jacques; 8-9, Aeolian residence pipe organ recital, Dan McFarland, organist; 9-10, isbell-Boyd string quartet, Gilda Marchetti, soprano; 10-11, vocal numbers by pupils of F. X. Arens.

KFWB, Hollywood, Calif. (252), 7-8 p. m., Vince Rose's Hollywood Mootmarte cafe dance orchestra; 8-9, program, Star Motor Car company of California; 9-10, program, the Crane company; 10-11, Warner Brothers frolic, direction Charlie Wellman.

KGW, Portland, Ore. (491.5), 7:30-8 p. m., baseball; 9-10:30-12, Hoot Owls.

KHJ, Los Angeles, Calif. (405.2), 5:30-8 p. m., Leighton's Areade cafeteria orchestra, Jack Cronsbaw, leader; 6-6:30, Art Hickman's Billmore hotel concert orchestra, Edward Fitzpatrick, director; 6:30-7:30, Hittle stories American history, Prof. Walter Sylvester Hertzog; play, pupils of Edyth McGrath. "Beautiful Garden"; 7:45, talk, Judge Ira F. Thompson; 8-10, program, Western Auto Supply company, arranged by Howard Johnson; 10-11, Art Hickman's Biltmore hotel dance orchestra, Earl Burtnett, loader.

(Continued on page 14)

(Continued on page 14)

# An Evening at Home with the Listener In

#### STATIONS IN ORDER OF WAVE LENGTHS USED

	Meters Call	Meters Call	Meters Call	Meters Call	Meters Call
226 WBBM	275 KFAU	313 CNRA	356.9 CHNC	405.2 WJY	468.5 WCAP
226 WIBO	275 KFKU	315.6 KFDM	361.2 KGO	405.2 WOR	468.5 WRC
233 WEBJ	275 WABL	315.6 WAHG	361.2 WHN	406 WBAR	475.9 WBAP
240 KFAB	275 WHAD	315.6 WGBS	365.6 WDAF	410.7 CKAC	475.9 WEEI
240 KFVE	275 WORD	319 WGR	365.6 WHB	416.4 WCCO	475.9 WFAA
240 WOAX	275.3 WJAS	319 WSMB	370 CYB		480 CYL
243.8 WAMD	278 WCAU	322.4 KOA	370.2 WEBH		
244 WABN	278 WLBL	325.9 WSAI		422.3 WLW	483.6 WOC
250 WGES		330 CYX		428.3 WSB	483.6 WSUI
250 WMBB		333.3 WBZ	379.5 WGY	429.5 KPO	491.5 KGW
252 KFWB	280.2 WNAC	336.9 KFMX	379.5 WHAZ	434.5 CNRO	491.5 WEAF
261 KFWA	285.5 WKAR	336.9 WCAL	384.4 CKY	434.5 NAA	499.7 WMC
261 KSL	285.5 WREO	336.9 WSAC	384.4 KJR	435 AT9	508.2 KLX
265.5 WMAK	288.3 KFKX	336.9 KNX		435.5 CFCN	508.2 WIP
266 KFNF	293.9 KJS	340.7 WKAQ		440.9 WDWF	508.2 WOO
266 WBCN	293.9 WBAV	340.7 WMCA	394.5 KFRU	440.9 WOS	516.9 CJCA
268 WEBW	293.9 WEAO	344.6 WCBD	394.5 WFI	447.5 WMAQ	516.9 WCX
270 WGST	299.8 KFMQ	344.6 WLS	394.5 WLIT	447.5 WQJ	526 WHO
270 WOI	299.8 WPG	348.6 KFAE	394.5 WOAI	454.3 KFOA	526 WNYC
272.6 WBBR	302.8 WJJD	348.6 KOB	399.8 WHAS	454.3 WJZ	526 WOAW
272.6 WFBH	302.8 WTAS	348.6 WTIC	399.8 WHT	455 KTW	535.4 KYW
273 WHK		352.7 WWJ	400 PWX	461.3 WCAE	545.1 KFUO
273 WRW		356.9 CFCA		467 KFI	
2.0	SOAT INDIX	1000.0 OF OIL	100.2 12110	TAN KEI	DOTAL TOPD

#### INSTRUCTIONS FOR USE OF TABLES

THE "Evening at Home with the Listener In" table is not difficult to understand and use. It is this fact that makes it so popular with the readers of Radio Digest. It is presented here in home sign-on and sign-Radio Digest. It is presented here in three different standard times; Eastern, Central and Pacific. Listeners using one of the three kinds of time named, should utilize the table printed in that time and so designated by its headline.

For listeners whose standard of time is not shown here, the following instructions should be remembered:
Listeners using Mountain time: Use

table for Pacific time but add one hour to every figure given. Can also use Central time table by subtracting one hour from every figure given.

Listeners using Eastern daylight sav-ing, or Atlantic time: Use Eastern time table by adding one hour to every figure

Listeners using Central daylight saving time: Use Eastern time table. No changes

#### Friday, June 12

#### UNIQUE STUDIO MAKES HIT WITH RADIOPHANS

bar; Prizes offered by the Frontenac brew-1925, on the S. S. Leviathan and returning July 30th on the S. S. Republic.

Miss Terese Rose Nagel, famous interviewer at Station WGBS, is a candidate, and believing sincerely in this cause, has in order to favor American contestants

#### Virginia Judge with Roxy

#### Broadcast from Cathedral

#### (FOR PACIFIC TIME)

F WAVE LENGTHS USED				(	FOR P	ACIFIC	TIME)				
I Meters Call Meters Call Meters Call	Call	Met.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Met.	Call
356.9 CHNC 405.2 WJY 468.5 WCAP	CFCA 3	435 56.9	Silent Silent	3:00- 4:00 4:00- 5:00	Silent Silent	Silent 5:15- 6:15	Silent 5:15- 6:15	5:00- 7:55 5:15- 6:15	Silent Silent	435 356.9	AT9 -
361.2 WHN 406 WBAR 475.9 WBAP	CHNC 3	34.5 56.9	9:00-11:00 Silent	Silent Silent	Silent 5:30- 6:30	Silent Silent	Silent Silent	7:00- 8:00 Silent	Silent Silent	434.5 356.9	CFCN CHCN
R 365.6 WHB 416.4 WCCO 475.9 WFAA	CKAC 4	16.9 10.7 84.4	8:00-10:00 4:30- 9:30	6:30- 7:30 1:30- 2:30	6:30- 8:30 Silent	6:30- 7:00 4:30- 9:30	5:00- 7:00 Silent	8:00-10:00 4:30-9:30	7:00-11:00 Silent	516.9 410.7	CKAC
370.2 WEBH   422.3 WLW   483.6 WOC   370.2 WGN   422.3 WLW   483.6 WOC	CNRA	313	Silent Silent 4:30- 9:30	5:00- 6:45 Silent Silent	Silent Silent Silent	5:30- 8:00 4:30- 5:30 Silent	Silent Silent 4:30-9:30	6:00-7:00 Silent Silent	5:30- 8:00 4:30- 5:30 Silent	384.4 313 434.5	CKY CNRA :
379.5 WGY 429.5 KPO 491.5 KGW	CYB :	370 480	8:15- 9:45 Silent	Silent	Silent Silent	7:15-8:15 8:00-9:30	Silent	Silent Silent	Silent 8:00- 9:30	370	CYB
384.4 CKY 434.5 NAA 499.7 WMC	CYX :	330 09.1	Silent	Silent 12:00- 4:30	7:15- 8:30 4:45- 6:55	Silent 5:00- 9:30	Silent 4:45- 6:55	Silent 4:15- 9:00	7:15- 8:45 4:45- 6:55	330 309.1	CYX
N 384.4 KJR   435 AT9   508.2 KLX   389.4 WEAR   435.5 CFCN   508.2 WIP   1389.4 WTAM   440.9 WDWF   508.2 WOO	KFAB :	240 48.6	9:00-10:30 Silent	2:00- 3:00 Silent	5:30- 8:00 7:30- 9:00	Silent Silent	5:30- 8:00 7:30- 9:00	Silent Silent	5:30- 8:00 7:30- 9:00	240 348.6	KFAB KFAE
1 394.5 KFRU 440.9 WOS 516.9 CJCA 394.5 WFI 447.5 WMAQ 516.9 WCX	KFAU 3		Silent Silent	Silent Silent	7:00-8:00 Silent	Silent 8:00- 7:00	Silent Silent	Silent Silent	7:00- 8:00 6:00- 7:00	275 345.6	KFAU KFDM
8 394.5 WLIT 447.5 WQJ 526 WHO 394.5 WOAI 454.3 KFOA 526 WNYC	KFKU	467 275	6:45-11:00 Silent	4:00-11:00 Sllent	6:45-12:00 4:50- 6:45	6:45-12:00 Silent	6:45-12:00 Sllent	6:45-11:00 4:50- 6:45	6:45-12:00 Silent	467 275	KFKU
399.8 WHAS 454.3 WJZ 526 WOAW 399.8 WHT 455 KTW 535.4 KYW	KFMQ 2	99.8	Silent	Silent	7:30- 9:00 Slient	7:00- 8:00	Silent	7:30- 9:00 5:30- 6:30	Silent	288.3	KFKX
$[1]{00}$ PWX   461.3 WCAE   545.1 KFUO   405.2 KHJ   467 KFI   545.1 KSD	KFNF	36.9 266	Silent 5:30-6:30	5:00- 6:00 4:30- 7:30	Silent 5:30-6:30	3:00- 9:00 Slient	7:00- 8:00 5:30- 6:30	Silent 5:30-6:30	Silent 5:30- 6:30	266	KFMX KFNF:
OR USE OF TABLES	KFRU 3	54.3 94.5 45.1	8:00-11:30 5:30-10:00 Silent	Silent 3:00- 5:00 7:15- 8:15	6:00-10:00 5:00- 8:30 Slient	6:00-11:30 8:30-10:00 Silent	6:00-10:00 6:00- 8:30 7:15- 8:15	Silent 8:30-9:30 Silent	6:00-11:30 9:00-11:00 Silent	454.3 394.5 545.1	KFOA : KFRU : KFUO :
The periods given in the "Evening at	KFVE KFWA	240 261	8:00-10:00 Silent	Silent 8:00- 9:00	8:00-10:00 8:00- 9:00	3:00-10:00 8:00- 9:00	8:00-10:00 3:00- 9:00	Silent Silent	8:00-10:00 8:00-10:00	240 261	KFVE KFWA
Home" tables are only representative of teach station's evening sign-on and sign-	KGO 3	252	7:45-12:00 8:00-1:00	9:00-11:00 3:30- 9:00	6:30- 1:00 8:00- 1:00 6:00- 7:00	7:45- 1:00 8:00- 1:00	7:45- 1:00 Silent	7:45- 1:00 8:00- 1:00 8:00-12:00	7:45- 1:00 Silent	361.2	KFWB KGO
foff hours, and on Sunday, the late after- n noon sign-on and sign-off. If a station	KHJ 4	191.5	6:00-10:00 6:00- 2:00	6:00-8:00	8:00-10:00	8:00-12:00 6:00-11:00	8:00-12:00 6:00-11:00	6:00-11:00	9:00-12:30 6:00-11:00	491.5	KGW
has an intermittent rather than continu- ous program, the table cannot show this.	KJR 3	421 84.4 93.9	Silent Silent Silent	2:00- 3:00 7:00- 8:00 7:15- 9:30	7:00-8:00 6:00-10:00 Silent	Silent Silent	7:00- 8:00 8:30-10:00	Silent 10:30-12:00 8:00- 9:00	7:00- 8:00 8:30-10:00	421 384.4	KIAF KJR KJS
Above is given a list of all stations in	KLX 5	08.2 36.9	Silent 6:30- 2:00	Silent 5:00-11:00	6:00-11:00 6:30-12:00	8:00-9:00 Silent 6:30-12:00	Silent 6:00-11:30 7:00-12:00	Silent 6:30-12:00	Silent 6:00-10:30 6:30- 2:00	293.9 508.2 336.9	KLX
the "Evening at Home" tables, arranged in order of the wave lengths used (or	KOB 3	22.4 48.6	8:00-11:00 Silent	3:30- 7:30 Silent	7:00- 8:00 6:30- 7:30	Sllent Silent	7:00-11:00 Sllent	Silent Silent	7:00- 8:00 6:30- 7:30	322.4 348.6	KOA KOB
Supposed to be used) by the stations. This arrangement provides a handy index	KSD 5	28.3 45.1 261	6:25-12:00 5:00- 7:30	6:30-10:00 Silent	6:30-11:00 5:30- 9:00	6:30-11:00 4:00- 9:00	6:30-11:00 5:00-6:00	6:30-11:00 Sllent	7:00-11:00 6:30- 8:00	428.3 545.1	KPO KSD
for the other tables. The "Evening at Home" tables are	KTHS 3	74.8	7:00-10:00 6:30- 7:45	8:00-10:00 6:30- 9:30	7:00-10:00 6:30- 9:00	8:00-10:00 6:30- 8:45	7:00-10:00 6:30- 8:45	6:30-10:00 6:30-8:45	8:00-10:00 6:30- 8:45	261 374.8	KTHS
corrected every week. The number of changes often run as high as thirty per	KYW 5	455 35.4 34.5	Silent 4:00-10:30 Silent	7:00- 9:30 1:00- 5:00 Sllent	Silent Silent 4:45-5:00	Silent 4:00-8:30 4:45-5:00	Silent 4:00-10:30	Sllent 4:00- 8:30 4:45- 5:00	Silent 4:00-10:30	455 535.4	KTW KYW NAA
cent of the whole. Keep the "Evening at Home" tables from the current issue at	PWX	400 275	5:30- 8:00 Sllent	Silent Silent	Silent 4:00-6:00	Silent Silent	4:25- 5:40 5:30- 8:00 4:00- 6:00	Silent Silent	4:45-5:00 Silent 4:00-6:00	434.5 400 275	PWX WABL
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entirely original with Radio Digest and are protected by copyright. Reproduction		43.8 75.9 406	8:00- 9:00 5:00- 6:00	9:00-10:00	Silent 5:30-11:00	8:00- 9:00 5:30- 8:45	8:00- 9:30 5:30- 8:45	8:00- 9:30 5:30- 8:45	8:00- 9:00 5:30- 8:45		WBAP
of whole or part without permission is denied, and such infringements will be	WBAV 2	93.9	Silent Silent	8:00- 9:00 Silent	7:00- 8:00 5:00- 7:00	Silent Silent	6:00- 7:00 Silent	5:30 - 6:30 Silent	Silent 5:00-6:00	293.9	WBAR WBAV
prosecuted.	WBBR 2	226 72.6 266	5:00-10:00 4:00- 4:45 6:00-10:00	1:00- 7:00 5:00- 6:05 2:00- 9:00	Silent 4:00- 4:50	5:00- 9:00 Silent	5:00- 7:00 Silent	5:00- 9:00 4:00- 4:50	5:00- 7:00 Silent	272.6	WBBM WBBR
	WBZ 3	33.3	3:30 - 5:55 4:00 - 5:30	3:00- 6:00 Silent	Silent 3:30- 5:55 4:30- 8:00	6:00-12:00 3:30- 5:55 4:30- 7:00	5:00- 9:00 3:30- 7:05 4:30- 7:30	6:00-11:00 3:30-8:45 4:00-7:00	6:00-10:00 Silent 4:30- 5:30	333.3	WBCN WBZ WCAE
Friday, June 12	WCAP 4	36.9 168.5	10:00-11:00 Silent	6:30-8:00 1:00-7:00	9:00-10:00 4:00- 8:30	Sllent Silent	Silent 3:00- 9:00	7:00- 8:00 Silent	6:30- 7:00 4:30- 9:00	3 <b>36.9</b>	WCAL
<b>'</b>	WCBD 3	278 44.6	Silent Silent	1:00- 3:00 6:00- 7:00	Silent 5:00-7:30	3:20- 7:30 Silent	3:00- 7:10 Silent	3:00- 7:45 5:00- 7:30	3:30- 6:40 Silent	278	WCAU WCBD
(Continued from page 13) KNX, Hollywood, Calif. (336.9), 5:30-6 p. m., Wur-		16.4	6:00- 9:00 Sllent	5:45- 8:15 Silent	4:00- 9:00 3:00- 6:30	4:00- 7:00 3:00- 8:00	4:00- 9:30 3:00- 6:30	4:00- 8:00 Silent	3:00- 8:00	516.9	WCC0
litzper pipe organ studio, sports talk by Sid Zift; 6:15, travel talk, W. F. Alder; 6:30-7:30, dinner hour music; 7:30-8, musical gens half hour by Eastern	WDWF 4	40.9	4:00-11:00 Slient 2:00-8:00	2:00- 3:30 1:00- 2:45 3:20- 6:15	4:00-11:00 Silent 2:00-7:30	4:00-11:00 4:30- 5:30 2:00- 8:00	4:00-11:00. Silent	4:00-11:00 Silent	2:00-8:30	365.6 440.9	WDWF
Outfitting company; 8-9, West Coast theaters; 9-10, program, Beverly Hills Nurseries; 10-11, KNX fea-	WEAD 2 WEAR 3	93.9	Silent Silent	Silent 6:00- 7:00	Silent 4:00- 5:00	Silent 4:00-8:00	2:00- 8:00 5:00- 6:00 3:45- 4:45	2:00- 8:00 5:00- 6:00 4:00- 8:00	2:00- 8:00 Sllent 4:00- 8:00		WEAF WEAO WEAR
dance orchestra from Ambassador hotel.  - KPO. San Francisco, Calif. (428.3), 6-6:15 p. m., base-		233	4:30- 9:30 Silent	4:00- 6:00 Silent	Silent Silent	4:30- 9:30 4:00- 5:00	4:30- 9:30 3:00- 5:00	4:30- 9:30 Silent		370.2	WEBH WEBH
ball; 6:15-7, Loew's Warfield theater; 7-7:30, Palace hotel dance and concert orchestra; 8-11, Gene James Rose Room Rowl orchestra	WEET 4	75.9	Silent	2:25- 8:30 3:20- 6:20	6:30- 7:45 4:00- 7:00	6:30- 7:45 4:00- 7:00	Stlent 4:00- 7:00	Silent 4:00- 7:00	Silent 4:00- 7:00	266 475.9	WEEL
UNIQUE STUDIO MAKES	WFBH 2	75.9 72.6 94.5	6:30-10:00 7:30-10:00	4:00- 9:00 1:00- 4:00	4:30-7:30 7:30-10:00	4:30-10:00 7:30-10:00	Silent 7:30-10:00	4:30-10:00 7:30-10:00	7:30-10:00	272.6	WFAA WFBH
HIT WITH RADIOPHANS	WGBS 3	15.6 250	4:00-7:00 2:00-8:00 7:30-11:00	Silent 5:30-6:30 7:30-11:00	Silent Silent Silent	4:00 - 6:00 2:00 - 8:00 7:30-11:00	Silent Silent 7:30-11:00	4:00- 7:00 2:00- 9:00 7:30-11:00	Silent Silent 7:30-11:00		WFI
<u>-</u>	WGN 3 WGR	70.2 319	3:30- 8:30 Silent	6:00 - 7:00 3:15 - 4:30	Silent 4:30- 7:30	3:30- 8:30 4:00- 7:00	3:30- 8:30 4:00- 7:00	8:30- 8:30 4:00- 7:00	3:30- 8:30 4:45- 7:00	370.2 319	WGES WGN WGR
Broadcast from Frontenac Brewery Brings Thousands of Letters	WGY 3	270 79.5	Silent 6:30-9:00	Silent 5:30- 8:00	7:00- 8:00 3:30- 5:30	Silent 4:30-9:30	Silent Silent	5:00 - 6:00 4:30 - 9:30	Silent 4:30 8:30	270 379.5	WGST
MONTREAL, Can.—The most unique	WHAS 3	275 99.8	Silent 5:30- 7:00	Silent 2:00- 3:00	4:00- 8:00 Silent	Silent 5:30-7:30	4:00-10:30 5:30-7:00	4:00- 8:00 5:30- 7:00	4:00- 8:00 5:30- 7:00	399.8	WHAD WHAS
studio in the world today is, beyond doubt, that of the Frontenac breweries of	WHB 3	79.5   65.6 273	Silent Silent	Silent 6:00-11:00 4:30-8:00	6:00- 8:00 5:00- 6:00	Silent Silent Silent	Silent. 5:00- 6:00	Silent 6:00- 8:30	Silent 5:00- 6:00	365.6	WHAZ
Montreal, which feeds remote control entertainment into super-power Station	WHN 3	526	3:00-10:30 3:30-6:00 Silent	3:30 - 8:00 2:00 - 7:00	Silent 3:30- 8:00 5:30-10:00	3:30- 8:00 5:30-10:00	Silent 3:30-7:00 4:30-9:00	3:00- 8:30 3:30- 8:00 5:30-10:00	3:00 - 7:00 3:30 - 8:00 5:30 - 10:00	273 361.2 526	WHK WHN WHO
CKAC, La Presse, here. In the very center of the big plant's	WIB0	99.4 226	4:00-11:00 3:00- 5:00	4:00- 6:30 3:00- 9:00	4:00-11:00 Silent	4:00-11:00 3:00-12:00	4:00-11:00 3:00-12:00	4:00-11:00 3:00-12:00	4:00-11:00 3:00-11:00	399.4 226	WHT
wash room, complete ceiling and studio walls are lowered by a pulley system,	WJAR 3	08.2 05.9	4:00 - 8:05 Silent	Silent 3:20- 6:15	Silent 4:00- 6:00	4:00- 9:00 3:30- 6:00	Silent 4:00-7:00	4:00- 9:00 4:00- 7:00	Silent 4:00-8:00	508.2 305.9	WIP
whenever a show is to be hurled out of the Canadian 7,500-watter. The floor is cov-	MIID 3	75.3 02.8 05.2	Silent 3:45-10:00	Silent 5:45- 7:00	5:30- 8:00 3:45-10:00	5:30- 8:00 3:45-10:00	5:30- 8:00 3:45- 7:00	4:30- 7:00 Silent	4:30- 7:00 3:30- 7:00	275.3 302.8	MIAS
ered with a rug, a few kegs of the small variety are rolled into place for sitting	WJZ 4 WKAQ 3	54.3 40.7	Silent 3:00- 7:00 Silent	4:00-6:30 4:00-6:30 4:00-6:00	Silent 3:00- 7:00 Silent	3:30- 7:00 3:00- 7:00 Silent	Silent 3:00- 7:00 4:00- 6:00	3:30- 7:00 3:00- 7:00 4:30- 6:00	3:30- 7:00 3:00- 7:00 Silent	405.2 454.3 340.7	WIZ WIZ WIY
purposes, together with a piano, and then the entertainers fall in line.	WKRC 4	85.5 22.3	9:30-11:00 7:00-11:00	Silent 3:45- 9:00	Silent 5:00- 7:00	Silent 7:00-11:00	5:00- 6:15 5:00- 7:00	Silent 5:00- 7:00	Silent Silent	285.5	WKAR
The microphones are lowered in the same way and all is ready for the opening	WLIT 3	278 94.5 44.6	9:59-10:59 Silent	Silent Silent	Silent Silent	6:00-7:00 3:45-7:00	Silent Silent	6:00 - 7:00 Silent	Silent 3:45- 7:45	278 394.5	WLBL
announcement. Not far away, some fifty yards or so, the amplifiers are stored in	WLW 4	22.3 65.5	4:45-10:00 3:00- 5:00	4:30- 5:55 3:30- 5:30	Silent 6:00- 8:00	4:00-10:00 4:00- 6:00	4:00- 8:30 3:00- 7:00	4:00-'5:55 6:00-8:00	4:00- 8:30 Silent	344.6 422.3	WLS
a sample room, resembling a Swiss Chalet- bar.	WMAQ 4		Silent 4:00- 8:00 4:30- 7:30	Silent Silent 4:00- 7:30	5:00- 6:00 Silent Silent	Silent 4:00-8:00 4:30-7:30	Silent 4:00- 8:00	7:00- 8:30 4:00- 8:00	Silent 4:00- 8:00	447.5	WMAK WMAQ
Prizes offered by the Frontenac breweries are also of the popular order, so		99.7	6:30- 7:30 5:00- 8:00	Silent 2:30- 4:00	6:30- 7:30 5:00- 8:00	6:30-10:00 5:00-8:00	4:30- 7:30 Silent 5:00- 8:00	4:30 - 7:30 6:30 - 7:30 5:00 - 8:00	4:30-7:30 6:30-10:00 5:00-8:00	499.7	WMBB WMC WMCA
much so, that the managing director, Pierre Beaubien, had to award gold pieces,		526	6:00- 7:00 2:30- 6:20	4:30- 6:30 5:00- 7:00	3:00- 7:00 3:00- 6:20	5:00- 7:00 3:20- 6:20	3:00- 7:00 3:30- 6:30	5:00- 7:00 Silent	3:00- 7:00 3:30- 6:20	280.2	WNAC
instead of the usual ten-gallon barrels, in order to favor American contestants	WOAW	94.5 526 83.6	Silent 4:00-10:15	5:30 - 8:30 4:00 - 8:00	Silent 4:00- 9:00	6:30 - 8:30 4:00 - 9:00	Silent Silent	7:30-8:30 4:00-9:00	Silent 4:00-9:00		WOAI WAOW
and winners.	WOI	270	4:30-10:00 Silent	6:00- 9:30 Silent	Silent 8:00-11:00	4:30- 7:00 Silent	4:30~ 8:00 Silent	4:00-10:00 6:15- 7:15	4:30- 8:00 Silent	483.6 270	WOC
Virginia Judge with Roxy	WORD 4	08.2 05.2 275	Silent 2:15- 8:00 5:30- 6:30	2:05- 4:30 Silent 3:45- 5:00	4:00- 7:30 2:15- 8:00 5:30- 7:00	Silent 2:15- 3:30 5:30- 6:30	4:00- 7:30 2:15- 8:00 5:30- 6:30	Silent 2:15- 3:30 5:30- 6:30	4:15-7:30 2:15-3:30 5:30-6:30	508.2 405.2	WOO WOR
NEW YORK.—Judge Clifton A. Wood- rum of Roanoke, Virginia, representing	WOS 4	140.9 29 <b>9.8</b>	Silent 3:00- 8:00	5:30- 6:30 5:00- 7:00	6:00- 8:00 8:00- 7:80	Silent 3:00- 7:00	6:00- 8:00 Silent	5:30- 6:30 Silent 3:00- 8:15	5:30-6:30 6:00-8:00 5:00-6:00	275 440.9 299.8	WORD WOS WPG
the sixth district of Virginia in congress, made his debut as a member of Roxy's	WQJ 4 WRBC	47.5 278	4:00-12:00 Silent	4:00- 7:00 5:30- 6:30	Silent 5:30- 6:30	4:00-11:00 Silent	4:00-11:00 Silent	4:00-11:00 Sllent	4:00-11:00 Silent	447.5 278	W QU W R B C
gang recently. He sang a number of old southern melodies.	WREO 2	168.5 285.5 273	3:45- 9:00 Silent	Silent 4:30-5:30	Silent Silent	3:45- 9:00 5:15- 6:45	Silent Silent	3:45- 9:00 5:15- 6:45	Silent Silent	468.5 285.5	WRC WREO
	WSAC 3	36.9	Silent	5:00- 8:30 Silent	Silent	Silent	5:00- 6:00	6:00- 8:30 Silent	6:00- 8:30 Silent	273 336.9	WRW
Broadcast from Cathedral LONDON, Eng.—Permission to broad-		25.9 28.3 319	5:00-10:30 6:00-10:00 6:30-8:30	Silent 5:30- 7:15 Silent	7:00- 9:00 6:00-10:00 6:30- 8:30	4:00-7:00 6:00-10:00 Silent	7:00-9:00 8:45-10:00 6:30-8:30	4:00-6:00 6:00-10:00	Silent 6:00-10:00	325.9 428.3	WSAI WSB
cast a service on June 5 from Canterbury cathedral, the cathedral presided over by	WSUI 4 WTAM 3	83.6 89.4	Silent. 3:00- 9:00	5:00-8:00 Silent	5:30- 7:00 3:00- 9:00	Silent Silent Silent	6:30-8:30 5:30-7:00 3:00-10:00	6:30- 8:30 Silent Silent	Silent Silent Silent	483.6	WSMB WSUI WTAM
the archbishop of Canterbury, primate of the Church of England, has been granted	WTIC 3	02.8 48.6	5:00- 7:30 Silent	5:00- 9:00 Silent	5:00- 7:30 Silent	5:00- 7:30 4:00- 6:00	5:00- 7:30 Silent	5:00-10:00 Silent	5:00- 7:30 4:00- 6:00	302.8 348.6	WTAS WTIC
to the British Broadcasting company.	ww.j  3	52.7	Slient	3:20- 7:00	3:00- 6:00	3:00- 8:00	Silent	3:00- 9:80	3:00- 7:00	352.7	wws
				201							

#### Hindenburg Election Credit Goes to Radio

#### Broadcast Speeches Made Him Winner, Students Declare

LONDON.—Did Radio win the German presidential election for Field Marshal Von Hindenburg? In the excitement of the last few hours before the election, Hindenburg made his last great stump speech from Hanover Radio station. Over 400 miles away in London the British Broadcasting company relayed his speech—the first time a great political speech by a foreign personage has been obtained in this manner.

There are 60,000,000 people in Germany.

The Hanover station was audible to the whole country. Germany listened in, and whole country. Germany listened in, and then went off to the polls with the words of the old war leader fresh in its ears. Students of politics believe the history of the world may be marked in the next few years by the effects of that broadcast program from one aerial on a Hanover roof.

#### "Terese" Enters Contest For Patriotic Pilgrimage

ror ratriotic Pilgrimage
NEW YORK.—The Thomas Jefferson
Memorial Foundation is conducting a series of Centennial Elections as a preliminary step in the observance of the 150th anniversary of the adoption of the Declaration of Independence, and the 100th anniversary of the death of its author, July 4th, 1926.

Successful conditions.

Successful candidates will be members of the Patriotic Pilgrimage to Europe, with all expenses paid, sailing, July 4, 1925, on the S. S. Leviathan and return-

accepted a nomination and is now working and winners. to get votes and raise money for

#### Entertains Eskimos with Small Makeshift Receiver

SAN FRANCISCO.—Commissioned by the Canadian Government to erect a broadcasting station on Herschel Island, off the Youkon coast, Lieutenant H. A. Young, lost his supplies not long ago when the steamship "Lady Kindersley" hit an iceberg and went down. He managed, however, to gather bits of wire and parts and construct a Radio receiver, and now entertains himself and Eskimos there with KGO programs.

# An Evening at Home with the Listener In

<u></u>			(FO	R CENT	RAL T	IME)			orm and listings copy production is forbidden.		(FOR	EASTE	RN TIN	IE Or Ci	ties Usinght Savi	g Central	( <del>)</del>	
Call	Saturday	Sunday	e Monday	Tuesday	Wednesday	Thursday	Friday	Call	Location	Met.	Saturday	Sunday	Menday	Tuesday	Wednesday	Thursday	Friday	Call
AT9 CFCA	Silent Silent	5:00- 6:00 6:00- 7:00	Silent Silent	Silent 7:15- 8:15	Silent 7:15- 8:15	7:00- 8:55 7:15- 8:15	Silent Silent	AT9 CFCA	Fort Bragg, N. C	435 356.9	Silent Silent	6:00- 7:00 7:00- 8:00	Silent Silent	Silent 8:15-9:15	Silent 8:15- 9:15	8:00- 9:55 8:15- 9:15	Silent Silent	AT9 CFCA
CFCN CHNC	11:00- 1:00 Silent	Silent Silent	Silent 7:30-8:30	Silent Silent	Silent Silent	9:00-10:00 Silent	Silent Silent	CFCN	Calgary, Alta	434.5 356.9	12:00- 2:00 Silent	Silent Silent	Silent 8:30- 9:30	Silent Silent	Silent Silent	10:00-11:00 Silent	Silent Silent	CFCN
CJCA	10:00-12:00	8:30-9:30	8:30-10:30 Silent	8:30- 9:00 5:30- 9:30	7:00- 9:00 Silent	10:00-12:00 6:30- 7:30	9:30-12:00		Edmonton, Can Montreal, Que	516.9 410.7	11:00- 1:00 6:30-10:30	9:30-10:30	9:30-11:30	9:30-10:00	8:00-10:00	11:00- 1:00	10:30- 1:00	CJCA
CKAC CKY	5:30-9:30 Silent	7:00- 8:45	Silent	7:30-10:00 6:30- 7:30	Silent	8:00- 9:00 Silent	7:30-10:00 6:30- 7:30	CKY	Winnipeg, Man Moncton, Can	384.4	Silent	Silent 8:00- 9:45	Silent Silent	6:30-10:30 8:30-11:00	Silent Silent	7:30-8:30 9:00-10:00	Silent 8:30-11:00	CKAC
CNRA CNRD	Silent 6:30-11:30	Silent Silent	Silent Silent	Silent	Silent 6:30-11:30	Silent	Silent	CNRO	Ottawa, Ont	313 434.5	Silent 7:30-12:30	Silent Silent	Silent Silent	7:30- 8:30 Silent	Silent 7:30-12:30	Silent Silent	7:30- 8:30 Slient	CNRA CNRO
CYB	10:30-11:45 Silent	Silent Silent	Silent	9:15~ 10:15	Silent	Silent Silent	Silent 10:00-11:30		Mexico City, Mex	370 480	11:30-12:45 Silent	Silent	Silent	10:15-11:15 11:00-12:30	Silent	Silent	Silent 11:00-12:30	CYB
CYX KDKA	Silent 6:45- 8:55	Silent 2:00-6:30	9:15-10:30 6:45- 8:55	Silent 7:00-11:30	Silent 6:45-8:55	Silent 6:15-11:00	9:15-10:45 6:45- 8:55		Mexico City, Mex Pittsburgh, Pa	330 309.1	Silent 7:45- 9:55	Silent 3:00- 7:30	10:15-11:30 7:45- 9:55	Silent 8:00-12:30	Silent	Silent	10:15-11:45	CYX
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KFKU KFKX	Silent Silent	Silent Silent	6:50- 8:45 9:30-11:00	Silent Silent	Silent Silent	6:50- 8:45 9:30-11:00	Silent Silent	KFKU KFKX	Hastings, Nebr	275 288.3	Silent Silent	Silent Silent	7:50- 9:45 10:30-12:00	Silent Silent	Silent Silent	7:50-9:45 10:30-12:00	Silent Silent	KFKU KFKX
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KFWA KFWB	Silent 9:45- 2:00	11:00- 1:00	10:00-11:00 9:30- 3:00	9:45- 3:00	9:45- 3:00	9:45- 3:00	10:00-12:00 9:45- 3:00	KFWA KFWB	Ogden, Utah Hollywood, Calif	261 252	Silent 10:45- 3:00	12:00- 2:00	11:00-12:00 10:30- 4:00	11:00-12:00 10:45- 4:00	11:00-12:00 10:45- 4:00	Silent 10:45- 4:00	11:00- 1:00	KFWA KFWB
KGO KGW	10:00- 3:00 8:00-12:00	8:00-10:00	10:00- 3:00 8:00- 9:00	10:00- 2:00	Silent 10:00- 2:00	10:00- 3:00 10:00- 2:00	11:00- 2:30	KGO KGW	Oakland, Calif Pertland, Ore	361.2 491.5	11:00- 4:00 9:00- 1:00	6:30-12:00 9:00-11:00	11:00- 4:00		Silent 11:00- 3:00	11:00- 4:00 11:00- 90	Silent 12:00- 3:30	KGO KGW
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KIAF KJR	Silent Silent	9:00-10:00	8:00-12:00	Silent 10:00-11:00	10:30-12:00 Silent		10:30-12:00	KJR .	Sihtipok, Minn Seattle, Wash	384.4	Silent	10:00-11:00	8:00- 9:00 9:00- 1:00	Silent Silent	8:00- 9:00 11:30- 1:00	Silent 1:30-3:00	8:00-9:00 11:30-1:00	KIAF
KJS KLX	Silent Silent	9:15-11:30 Silent	Silent 8:00- 1:00 8:30- 2:00	Silent 8:30- 2:00	8:00- 1:30 9:00- 2:00	Silent 8:30- 2:00	8 .00 -12 .30	KJS KLX	Los Angeles, Calif Oakland, Calif	293.9 508.2	Silent Silent	10:15-12:30 Silent	Silent 9:00- 2:00	11:00-12:00 Silent	Silent 9:00- 2:30	11:00-12:00 Silent	Silent 9:00- 1:30	KLX KLX
KNX KOA	8:30- 4:00 10:00- 1:00	7:00- 1:00 5:30- 9:80	9:00-10:00	Silent	9:00-1:00	Silent	9:00-10:00	KNX	Hollywood, Calif Denver, Colo	336.9 322.4	9:30- 5:00 11:00- 2:00	8:00- 2:00 6:30-10:30	9:30- 3:00 10:00-11:00	9:30- 3:00 Silent	10:00- 8:00- 10:00- 2:00	9:30- 3:00 Silent	9:30- 5:00 10:00-11:00	KNX KOA
KOB KPO	Silent 8:25-2:00	Silent 8:30-12:00	8:30- 9:30 8:30- 1:00	Silent 8:30-1:00	Silent 8:30-1:00	Silent 8:30- 1:00	8:30- 9:30 9:00- 1:00	KOB '	State College, N. M San Francisco, Calif	348.6 428.3	Silent 9:25-3:00	Silent 9:30- 1:00	9:30-10:30 9:30- 2:00	Silent 9:30- 2:00	Silent 9:30- 2:00	Silent 9:30- 2:00	9:30-10:30 10:00- 2:00	KOB KPO
KSD KSL	7:00-9:30 9:00-12:00	Silent 10:00-12:00	7:30-11:00 9:00-12:00	6:00-11:00 10:00-12:00	7:00- 8:00 9:00-12:00	Silent 9:00-12:00	7:30-10:00 10:00-12:00	KSD	St. Louis, Mo Sait Lake City, Utah	545.1 261	8:00-10:30 10:00- 1:00	Silent 11:00- 1:00	8:30-12:00 10:00- 1:00	7:00-12:00 11:00- 1:00	8:00- 9:00 10:00- 1:00	Silent 10:00- 1:00	8:30-11:00 11:00- 1:00	KSD. KSL
KTHS	8:30- 9:45	8:30-11:30	8:30-11:00	8:30-10:45 Silent	8:30-10:45 Silent	8:30-10:45 Silent	8:30-10:45	KTHS	Het Springs, Ark	374.8	9:30-10:45 Stlent	9:30-12:30	9:30-12:00	9:30-11:45	9:30-11:45	9:30-11:45	9:30-11:45	KTHS
KTW KYW	Silent 6:00-12:30	9:00-11:30 3:00- 7:00	Silent Silent	6:00-10:30	6:00-12:30	6:00-10:30 6:45- 7:00	Silent 6:00-12:30	KTW KYW	Seattle, Wash Chicago, III	455 535.4	Silent 7:00- 1:30	10:00-12:30 4:00- 8:00	Silent Silent	Silent 7:00- 11:30	Silent 7:00-1:30	Silent 7:00- 11:30	Silent 7:00- 1:30	KTW KYW
NAA PWX	Silent 7:30-10:00	Silent Silent	6:45- 7:00 Silent	6:45-7:00 Silent Silent	6:25- 7:40 7:30-10:00 6:00- 8:00	Silent Silent	6:45- 7:00 Silent	PWX	Radio, Va Havana, Cuba	434.5 400	Silent 8:30-11:00 Silent	Silent Silent	7:45- 8:00 Silent	7:45- 8:00 Silent	7:25-8:40 8:30-11:00	7:45- 8:00 Silent	7:45- 8:00 Silent	NAA PWX
WABL Wabn	Silent Silent	Silent Silent	6:00-8:00 9:00-12:00	Silent	Silent	9:00-12:00	6:00- 8:00 Silent	WARN	Storrs, Conn La Cresse, Wis	275 244	Silent	Silent Silent	7:00- 9:00 10:00- 1:00	Silent Silent	7:00- 9:00 Silent	Silent 10:00-1:00	7:00-9:00 Silent	WABL WABN
WAHG WAMD	11:00- 1:00 10:00-11:00	Silent 2:00-10:00	6:00-12:00 Silent	Silent 10:00-11:00	5:30-10:00 10:00-11:30	Silent 10:00-11:30	6:00-9:30 10:00-11:00	MAMD	Richmond, N. Y Minneapolis, Minn	315.6 243.8	12:00- 2:00 11:00-12:00	Silent 3:00-11:00	7:00- 1:00 Silent	Silent 11:00-12:00	6:30-11:00 11:00-12:30	Silent 11:00-12:30	7:00-10:30 11:00-12:00	WAHG WAMD
WBAP W:BAR	7:00- 8:00 Silent	11:00-12:00 10:00-11:00	7:30-1:00 9:00-10:00	7:30-10:45 Silent	7:30-10:45 8:00- 9:00	7:30-10:45 7:30- 8:30	7:30-10:45 Silent	WBAR	Fort Worth, Tex Sisiht, Wis	475.9 406	8:00- 9:00 Silent	12:00-1:00 11:00-12:00	8:30-2:00 10:00-11:00	8:30-11:45 Silent	8:30-11:45 9:00-10:00	8:30-11:45 8:30- 9:30	8:30-11:45 Silent	WBAP WBAR
WBAV	Silent 7:00-12:00	3:00- 9:00	7:00- 9:00 Silent	7:00-11:00	7:00- 9:00	7:00-11:00		WBAV WBBM	Chicago, III	293.9	8:00- 1:00	Silent 4:00-10:00	8:00-10:00	Silent	Silent	Silent	8:00- 9:00	WBAV
WBBM WBBR	6:00-6:45	7:00- 8:05 4:00-11:00	6:00-6:50	Silent 8:00- 2:00	Silent 7:00-11:00	6:00-6:50 8:00-1:00		WRRR	Staten Island, N. Y	272.6 266	7:00- 7:45	8:00-9:05	Silent 7:00- 7:50	8:00-12:00 Silent	8:00-10:00 Silent	8:00-12:00 7:00- 7:50	8:00-10:00 Silent	WBBM WBBR
WBCN WB <b>Z</b>	8:00-12:00 5:30- 7:55	5:00- 8:00 2:00- 5:30	Silent 5:30-7:55 6:30-10:00	5:30- 7:55 6:30- 9:00	5:30- 9:05 6:30- 9:30	5:30-10:45 6:00- 9:00	Silent	WRZ	Chicago, III Springfield, Mass	333.3	9:00- 1:00 6:30- 8:55	5:00-12:00 6:00- 9:00	Silent 6:30-8:55	9:00- 3:00 6:30- 8:55	8:00-12:00 6:30-10:05	9:00- 2:00 6:30-11:45	9:00- 1:00 Silent	WBCN WBZ
WCAE WCAL	6:00- 7:30 12:00- 1:00	8:30-10:00	11:00-12:00	Silent	Silent	9:00-10:00	6:30 - 7:30 8:30 - 9:00	WCAL	Pittsburgh, Pa Northfield, Minn	461.3 336.9	7:00- 8:30 1:00- 2:00	3:00-6:30 9:30-11:00	7:30-11:00 12:00- 1:00	7:30-10:00 Silent	7:30-10:80 Silent	7:00-10:00 10:00-11:00	7:30-8:30 9:30-10:00	WCAE WCAL
WCAP WCAU	Silent Silent	3:00- 9:00 3:00- 5:00		Silent 5:20- 9:30	5:00-11:00 5:00- 9:10		6:30-11:00 5:30- 8:40	WCAU	Washington, D. C Philadelphia, Pa	468.5 278	Silent Silent	4:00-10:00 4:00-7:00		Silent 6:20-10:30	6:00-12:00 7:00-10:10	Silent 7:00-10:45	7:30-12:00 6:30- 9:40	WCAP WCAU
WCCO	Silent 8:00-11:00	1:30- 9:00 7:45-10:15	7:00-9:30	Silent 6:00- 9:00	Silent 6:00-11:30	7:00-9:30	Silent 6:00-12:00	WCBD	MinnSt. P., Minn	344.6 416.4	9:00-12:00	2:30-10:00 8:45-11:15	8:00- 10:30 7:00-12:00	7:00-10:00	Silent	8:00-10:30	Silent	WCCO
WCX	Silent 6:00-1:00	Silent 4:00- 5:80	5:00- 8:30 6:00- 1:00	5:00-10:00 6:00- 1:00	5:00- 8:30 6:00- 1:00	Silent 6:00-1:00	5:00-10:00 6:00- 1:00	wcx	Detroit, Mich Kansas City, Mo	516.9 365.6	Silent 7:00- 2:00	Silent 5:00- 6:30	6:00- 9:30 7:00- 2:00	6:00-11:00 7:00- 2:00	7:00-12:30 6:00- 9:30	7:00-11:00 Silent	7:00-1:00 6:00-11:00	WCX
WDAF	Silent 4:00-10:00	3:00 - 4:45 5:20 - 8:15	Silent 4:00- 9:30	6:30-7:30	Silent 4:00-10:00	Silent 4:00-10:00	4:00-10:30 4:00-10:00	WDWF	Providence, R. L	440.9 491.5	Silent 5:00-11:00	4:00- 5:45	Silent	7:30-8:30	7:00- 2:00 Silent	7:00- 2:00 Silent	5:00-11:30	WDAF
WEAF WEAO	Silent	Silent 2:00- 9:00	Silent	Silent 6:00-10:00	7:00- 8:00 5:45- 6:45	7:00-8:00 6:00-10:00	Silent 6:00-10:00	WEA0	Columbus, Ohio	293.9	Silent Silent	Silent 3:00-10:00	5:00-10:80 Silent	5:00-11:00 Silent	5:00-11:00 8:00- 9:00	5:00-11:00 8:00-9:00	5:00-11:00 Silent	WEA0
WEAR WEBH	Silent 6:80-11:30	6:00-8:00	6:00- 7:00 Silent	6:30-11:30	6:30-11:30 5:00- 7:00	6:30-11:30 Silent	6:30-11:30 6:00- 7:00	WEBH	Cleveland, Ohio Chicago, Ill New York, N. Y	389.4 370.2 233	7:30-12:30 Silent	7:00-9:00	7:00-8:00 Silent	7:00-11:00 7:80-12:80	6:45 7:45 7:30-12:30		7:00-11:00 7:30-12:30	WEAR WEBH
WEBU	Silent	Silent 4:25- 5:30	Silent 8:30- 9:45	6:00- 7:00 8:30- 9:45	Silent	Silent	Silent	WEBW	Beloit, Wis	268	Silent	Silent 5:25- 6:30	8ilent 9:30-10:45	7:00-8:00 ,9:30-10:45	6:00- 8:00 Silent	Silent Silent	7:00-8:00 Silent	WEBJ
WEEL	Silent 8:30-12:00	5:20-8:20 6:00-11:00	6:00- 9:00 6:30- 9:30	6:00- 9:00 6:30-12:00	6:00- 9:00 Silent	6:00-9:00 6:30-12:00	6:00- 9:00 6:30- 9:30	WFAA	Boston, Mass Dallas, Tex	475.9 475.9	Silent 9:30-1:00	6:20-9:20 7:00-12:00	7:00-10:00 7:30-10:30	7:00-10:00 7:30-1:00	7:00-10:00 Silent	7:00-10:00 7:30- 1:00	7:00-10:00 7:30-10:30	WEEL
WFBH WFI	9:30-12:00 6:00- 9:00	3:00- 6:00 2:00- 8:00	9:30-12:00 Silent	9:30-12:00 6:00- 8:00	9:30-12:00 Silent	9:30-12:00 6:00- 9:00	9:30-12:00 Silent	WFBH WFI	New York, N. Y Philadelphia, Pa	272.6 394.5	10:301:00 7:00-10:00	4:00- 7:00 8:00- 4:00	10:30- 1:00 Silent	10:30- 1:00 7:00- 9:00	10:30- 1:00 Silent	10:30-1:00 7:00-10:00	10:30- 1:00	WFBH
WGBS VGES	4:00-10:00 9:30- 1:00	1:30- 8:30 9:30- 1:00	Silent Silent	4:00-10:00 9:30- 1:00	Silent 9:30-1:00	4:00-11:00 9:30- 1:00	Silent 9:30- 1:00	WGBS	New York, N. Y Oak Park, III	315.6 250	5:00-11:00 10:30- 2:00	2:30-9:30 10:80-2:00	Silent Silent	5:00-11:00 10:30- 2:00	Silent 10:30- 2:00	5:00-12:00		WGBS
WGN WGR	5:30-10:30 Silent	1:30-9:00 2:00-6:30	Silent 6:30-9:30	5:30-10:30	5:30-10:30 6:00- 9:00	5:30-10:30 6:00- 9:00	5:30-10:30 6:45- 9:00	WGN	Chicago, III Buffalo, N. Y	370.2 319	6:30-11:30 Silent	2:30-10:00 3:00- 7:80	Silent	6:30-11:30	6:30-11:30 7:00-10:00	6:30-11:30	6:30-11:80	WGN
WGST	Silent 8:30-11:00	Silent 2:35-10:00	9:00-10:00 5:30- 7:30	Silent 6:30-11:30	Silent Silent	7:00- 8:00 6:30-11:30	Silent 6:30-10:30	WGST	Atlanta, Ga Schenectady, N. Y		Silent 9:30-12:00	Silent 3:35-11:00	10:00-11:00 6:30-8:30	Silent 7:30-12:30	Silent Silent	8:00- 9:00 7:30-12:30	Silent	WGST
WHAD	6:00- 7:00	2:00- 3:00	6:00-10:00	6:00- 7:00	6:00-12:30	6:00-10:00	6:00-10:00	WHAD	Milwaukee, Wis	<b>27</b> 5	7:00- 8:00	3:00- 4:00	7:00-11:00	7:00- 8:00	7:00- 1:30	7:00-11:00	7:00-11:00	
WHAS WHAZ	7:30- 9:00 Silent	4:00- 5:00 Silent	Silent . 8:00-10:00	7:30-9:30 Silent	7:30-9:00 Silent	7:30- 9:00 Silent	7:30- 9:00 Silent	WHAZ	Troy, N. Y	399.8 379.5	8:30-10:00 Silent	5:00-6:00 Silent	Silent 9:00-11:00	8:30-10:30 Silent	8:30-10:00 Silent	Silent	Silent	WHAS
WHE	Silent 5:00-12:30	8:00- 1:00 6:30-10:00	7:00- 8:00 5:00- 6:30	Silent 5:30-6:30	7:00- 8:00 5:00- 6:30	8:00-10:30 5:00-10:30	5:00-9:00	WHK	Kansas City, Mo Cleveland, Ohio	365.6 273	Silent 6:00-1:30	9:00 - 2:00 7:30 - 11:00	8:00 - 9:00 6:00 - 7:30	Silent 6:30-7:30	8:00-9:00 6:00-7:30	9:00-11:30 6:00-11:30	8:00-9:00 6:00-10:00	WHE
WHN WHO	5:30- 8:00: Silent	5:30-10:00 4:00- 9:00	5:30-10:00 7:30-12:00	5:30-10:00 7:30-12:00	5:30-9:00 6:30-11:00	5:30-10:00 7:30-12:00	5:30-10:00 7:30-12:00	WHO	New Yerk, N. Y Des Moines, Ia	361.2 526	6:30-9:00 Silent	6:30-11:00 5:00-10:00	6:30-11:00 8:30- 1:00		6:30-10:00 7:30-12:00	6:30-11:00 8:30- 1:00	6:30-11:00 8:30- 1:00	WHM WHO
WHT WIBO	6:00- 1:00 5:00- 7:00	6:00- 8:30 5:00-11:00	6:00-1:00 Silent	5:00-2:00	6:00-1:00 5:00-2:00	6:00- 1:00 5:00- 2:00	6:00- 1:00 5:00- 1:00	WHT WIB0	Deerfield, III	399.8 226	7:00 - 2:00 6:00 - 8:00	7:00-9:30 6:00-12:00	7:00- 2:00 Silent	6:00- 3:00	7:00- 2:00 6:00- 3:00	7:00- 2:00	7:00- 2:00	WH1
WIP WJAR	6:00-10:05 Silent	2:15- 3:15 5:20- 8:15	Silent 6:00- 8:00	6:00-11:00 5:30-8:00	Silent 6:00-9:00	6:00-11:00 6:00-, 9:00	Silent 6:00-10:00	WIP	Philadelphia, Pa Providence, R. I	508.2 305.9	7:00-11:05 Silent	3:15- 4:15 6:20- 9:15	Silent 7:00-9:00	7:00-12:00 6:30- 9:00	Silent	7:00-12:00	Silent	WII
WJAS	Silent	Silent 7:45- 9:00	7:30-10:00	7:30-10:00 5:45-12:00	7:30-10:00 5:45-12:00	6:30- 9:00 Silent	6:30-9:00 5:45-12:00	WJAS	Pittsburgh, Pa	275.3 302.8	Silent 6:45- 1:00	Silent 8:45-10:00	8:30-11:00	8:30-11:00	8:30-11:00	8:30-10:00	7:30-10:00	WJA
WJY	5:45-12:00 Silent	6:00-8:30	5:45-12:00 Silent	5:30-9:00	Silent	5:30-9:00	5:30-9:00 5:00-9:00	WJY	New York, N. Y New Yerk, N. Y	. 405.2	Silent 6:00-10:00	7:00- 9:30 7:00- 9:30	Silent	6:30-10:00	Silent	6:30-10:00		ינש ו
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WKAR WKRC	11:30- 1:00 9:00- 1:00	Silent 5:45-11:00	6:00- 7:00 7:00- 9:00	Silent 9:00-1:00		Silent 7:00- 9:00	Silent	WKRC	Cincinnati, OStevens Point, Wis	422.3 278	10:00 - 2:00 10:59 - 1:59			10:00- 2:00		8:00-10:00		WKR
WLBL WLIT	11:59-12:59 Silent	Silent Silent	Silent Silent	8:00- 9:00 5:45- 9:00	Silent	8:00-9:00 Silent	Silent 5:45- 9:45		Philadelphia, Pa	394.5	12:59- 1:59 Silent 7:45- 1:00	Silent	Silent	9:00-10:00	Silent	9:00-10:00 Silent	6:45-10:45	
WLS WLW	6:45-12:00 5:00- 7:00	6:30- 7:55 5:30- 7:30	Silent 8:00-10:00	6:00-12:00 6:00-8:00	6:00-10:30 5:00- 9:00	6:00-7:55 8:00-10:00	6:00-10:30 Silent	WĻW	Harrison, O	422.3	6:00-8:00			7:00- 1:00 7:00- 9:00			7:00-11:30	
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WMBB WMC	6:30-9:30 8:30-9:30	6:00- 9:80 Silent	Silent 8:30- 9:30	6:30 - 9:30 8:30-12:00	6:30-9:30 Silent		6:30-9:30 8:30-12:00	WMBB	Memphis, Tenn	. 250	7:30-10:30 9:30-10:30	7:00-10:30 Silent		7:30-10:30	7:30-10:30	7:30-10:30	7:30-10:30	) WMB
WMCA WNAC	7:00-10:00 8:00-9:00	1:00- 5:00 6:30- 8:80	7:00-10:00 5:00- 9:00	7:00-10:00 7:00- 9:00	7:00-10:00 5:00- 9:00	7:00-10:00	7:00-10:00 5:00- 9:00	WMCA	New York, N. Y Boston, Mass	. 340.7	8:00-11:00 9:00-10:00	2:00-6:00	8:00-11:00	8:00-11:00	8:00-11:00		8:00-11:00	O WMC
WNYC WOAI	4:30-8:20	7:00-9:00	5:00-8:20		5:30- 8:30 Silent		5:30- 8:20 Silent	WNYC	New York, N. Y San Antonio, Texas	. 526	5:30-9:20 Silent		6:00-9:20		6:30 - 9:30	6:20-8:30	6:30-9:20	WNY
WOAW	Silent 6:00-12:15	7:30-10:30 6:00-10:00	Silent 6:00-11:00	6:00-11:00 6:30-9:00	Silent	6:00-11:00 6:00-12:00	6:00-11:00 6:30-10:00	WOAW	Omaha, Nebr	. 526	7:00- 1:15 -7:30- 1:00	7:00-11:00	7:00-12:00	7:00-12:00	Silent	10:30-11:30 7:00-12:00	7:00-12:00	
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WOO WOR	Silent 4:15-10:00	4:05-6:30 Silent	6:00-9:30 4:15-10:00	Silent 4:15- 5:30	6:00- 9:30 4:15-10:00	Silent 4:15- 5:30		WOR	Philadelphia, Pa Newark, N. J	. 508.2 . 405.2			5:15- 9:00		7:00-10:30		7:15-10:30 0 5:15- 6:30	
WORD WOS	7:30-8:30 Silent	5:45- 7:00 7:30- 8:30	7:30-9:00 8:00-10:00	7:30-8:30 Silent	7:30-8:30 8:00-10:00	7:30- 8:30 Silent	7:30-8:30 8:00-10:00	WOS	Batavia, III	. 275 . 440.9	8:30- 9:30 Silent	6:45- 8:00 8:30- 9:30	8:30-10:00 9:00-11:00	8:30-9:30		8:30-9:30	8:30-9:30	WOR
WPG WQJ	5:00-10:00 6:00- 2:00	1:15- 9:00 6:00- 9:00				5:00-10:15	7:00-8:00	WPG	Atlantic City, N. J Chicago, Ill	299.8 447.5	6:00-11:00 7:00- 3:00	2:15-10:00	6:00-10:30	6:00-10:0	Silent	6:00-11:1		0 WP
WRBC WRC	Silent 5:45-11:00	7:30- 8:30 Silent		Silent 5:45-11:00	Silent Silent	Silent 5:45-11:00	Silent Silent	WRBC	Valparaiso, ind	. 278	Silent 6:45-12:00	8:30-9:30			Silent	Silent	Silent	WRB
WREO WRW	Silent 8:00-10:30	6:30- 7:30 7:00-10:30	Silent Silent 8:00-10:30	7:15- 8:45	Silent 8:00-10:30	7:15- 8:45 8:00-10:30	Silent 8:00-10:30	WREO	Lansing, Mich	. 265.5	Silent 9:00-11:80	7:30-8:30	Silent	8:15-9:45	Silent	6:45-12:00 8:15- 9:45	Silent	WRE
WSAC	8:00-10:30 Silent	7:00-10:30 Silent	Silent	Silent .	7:00- 8:00	Silent	Silent	WSAC	Clemson Coll., S. C	336.9	Silent	Silent	Silent	Silent	8:00- 9:00	Silent	9:00-11:30 Silent	WRV
WSAI WSB	7:00-12:80 8:00-12:00	2:00- 3:00 7:30- 9:15	9:00-11:00 8:00-12:00	6:00- 9:00		6:00-8:00 8:00-12:00	Silent 8:00-12:00	WSAI WSB	Mason, O Atlanta, Ga	. 325.9 . 426.3	8:00- 1:30 9:00- 1:00	3:00-4:00 8:30-10:15	10:00-12:00	7:00-10:00	10:00-12:00	7:00-9:00	Silent	WSA
WSMB WSUI	8:30-10:30 Silent	Silent 7:00-10:00	8:30-10:30	Silent	8:30-10:30 7:30- 9:00	8:30-10:30 Silent	Silent Silent	WSMB WSUI	New Orleans, La	319 483.6	9:30-11:30 Silent		9:30-11:30	Silent	9:30-11:30 8:30-10:00	9:30-11:30		WSME
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# Radio Digest

Published by the Badio Digest Publishing Company, Inc.
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Wailing of Fiddles Vanishes and Cornet Practice Grows
Listless as Farmers Twist Dials
BAND STANDS MAY DECAY

E. C. RAYNER, Publisher

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Saturday, June 6, 1925

#### What Makes a Good Program Director

LKE all new industries, the broadcasting of enter-tainment and service has created a new series of vocations. One of the most important is that of program director. This post already has become so specialized as to achieve the dignity of a profession.

It is believed that there are now nearly fifteen hundred program builders in the United States. makes a good one?

The question is worthy of asking inasmuch as the policy of each station is often in the hands of the program director.

Persons with a good deal of the human element in them, who understand what interests the public, are best qualified for the task. Experienced newspapermen who have seen life from all angles often meet

Showmen do not always have the broad field of observation, of understanding of people, to fill the need. Advertising men, too, are likely to be one-sided and often commercial in their views. Radio men as a rule are thinking mainly of how far their station is reaching rather than how many people it is inter-

Of course, any member of the mentioned classes can round himself out to have the necessary broad vision, but the trained newspaperman, the editor, already understands every class of human mind and this has an advantage over the other classes from which program directors are made.

While on the subject, let us suggest that in the future we shall call these people "program editors" rather than "program directors," for their work is necessarily that of editing what is submitted for broad-casting, and often going out and getting the "reading matter" that is necessary to entertain and serve the

#### Super Summer Reception

NOW that fifteen superstations are "turning on the Jy juice" to overcome summer irregularities in reception, and at least seven more superstations are in the process of construction and plan to be on the air within from four to six weeks, the lot of the listener during the summer of 1925 is going to be remarkably improved over, and in fact, not even to be

markably improved over, and in fact, not even to be compared to, the past two summers in which broadcasting has sprung from a dream to a necessity.

Not an idle boast is this. Listen in.

You will hear—let's see—KDKA, WGY, WBZ, WEAF, WOC, WLW, KFI, KGO, WSAI, KOA, WHT, WCCO, KFKX, and WCBD. They are sure because they are superpower stations. Then you are likely to hear almost a score of other stations that

because they are superpower stations. Then you are likely to hear almost a score of other stations that are putting 1,000 watts of power into the air.

Then there are at least six more superstations which will be on the air before long. These include WSB and Miami Beach with 2,500-watt sets, WJR, WLS and WJAZ with 5,000-watt sets, and KYW with a 25,000-watt transmitter. KYW's new voice, now being constructed, will be as powerful as her sister station KDKA, but of course the full 25,000 watts will not be used—at least not now.

not be used—at least not now.
So the 1925 summer listener has a pick of at least twenty superstations, anyone of which is capable of overcoming the difficulties of summer weather and reaching out to all parts of the country.

Don't pack away your set in moth balls—use it.

#### Clean Broadcast Advertising

**B**ROADCAST advertising must be clean, else a station's audience may suffer large decreases in number. A message from the National Vigilance committee of the Associated Advertising Clubs of the World emphasizes this point. The bulletin is being sent to station directors which says:

"Before you broadcast commercial material, be sure that it is not only interesting and true, but that the

advertiser is reputable.
"When you broadcast such material, tell your listen-

ers, in advance, what they are about to hear."
We are glad that the "Truth-in-Advertising" movement has been extended to Radio. There are already many stations which could apply this policy to good

#### RADIO INDI-GEST

#### The Mark of Progress

VILLAGE BANDS HURT BY RADIO

#### BAND STANDS MAY DECAY

The band stands are decaying,

The Silver Cornets still,
The brass-buttoned coats are covered with mould
And gone is the ancient thrill.

The leader's baton is rusty, No more the piccolo flights

saving the surface they can save all.

And once again the natives can sleep— Thank God—on Saturday nights. (Chorus) Oh, the old grey mare, she ain't what she

used to be, She ain't what she used to be, she ain't, etc., Or, "When You and I Were Young, Maggie," for soprano

Even at that we are willing to bet that some paint salesman will write to us in the coming week and want to know what paper that story was taken from. When he finds out he will pack his samples, limber up the beautiful lithographed catalog with the testimonials and rush forth to show the village fathers that there is no need of letting the bandstand decay, and that by

#### News Bulletins from Milwaukee Furnished in Cooperation with the Milwaukee Daily Beverage

Beverage

(Beer up, my friend, beer up)

Armin Schwartemagen (Nonp.), who conducts a soft drink parlor, runs a single circuit set. The young man made himself a public nuisance by squealing up the ether. The matter was brought to Mayor Bone's (Soc.) attention, who ordered Police Chief Baer (Soc.) to tell Sergeant Schultz (Soc.) to order Patrolman Weisskopf (Soc.) to tell Saloonist Schwartemagen to have said nuisance abated or maybe the Police Commissioner (Soc.) would perhaps have trouble to find him a soft drink parlor license this year, nicht wahr?

The Ten Commandments are showing at the Blatz theater at ten cents a commandment, the entire set \$1.50. "Du lieber Himmel," observed Mrs Strohsack, "for why pay that when Herr Voliva chucks us more commandments every Sunday afternoon than would fill the Blatz theater."

Unveiling ceremonies of the statue of Andy Volstead, which took place recently, were Radiocast over Station WSOL. Grateful citizens have made the statue possible. "He has shortened the hours of every brewery worker in Milwaukee," said Mayor Bone, "from 50 to 100%. Formerly the men slaved 12 hours in the brewery. Now they work two hours making near beer for Chicago and then they go home and work for Milwaukee. Hurrah for prohibition, whatever that is. It has made possible for everybody to own a Radio set, automobile

possible for everybody to own a hadro set, automome, player plane, private yacht, summer home on the Maine coast, or what else will you have?"

The statue is of solid bronze, all except the head, which is ivory. The inscription reads, "From 1776 to 1919." This is to denote the era of American liberty.

Station WCAY, Milwaukee's Psychic Broadcasting Station, has a right good slogan. "When you hear nothing but the generator, you're listening to WCAY."

Ottfried Wurm got both coasts on his onetubodyne last night. "Detroit was good, but, oh boy, ya shoulda heard Racine!" he avers. Up and at 'em, Ott, and lets see you bring in Zion or some other foreign station.

Have you heard the latest song from Station WBEER, Schlitz Beverage Company, "When Father drilled the bakelite with a can opener?"

Mr. Murks, the city cobbler, thought sure he had a foreign station, but found it was only Brother Erbstein of WTAS speaking in the language of departed

Kindly ask your steno what makes this durned Remington Standard No. 10 skip when operated at my normal speed of ten and % words per minute. It ruins my otherwise perfect copy. Us authors sure got our troubles. It makes me girls. troubles. It makes me sick.

Hoping you are the same,

THE THIRD TROMBONE PLAYER.

We always get a sense of satisfaction when we read the TROMBONE PLAYER. For a while we thought he had deserted us, but not so. On this screen next week we are prepared to present his masterpiece, "The Shooting of SingleTube McGrew." It will be illustrated, and set by Indi-Gest's most capable linotyper. Ten cents on all newsstands. (Adv.)

#### The Church-Goer

I must haste, I must haste, time will I waste, In dressing a church full to charm. Don't hunt for my shoe,
These bed slippers will do,
And not combing hair does no harm.

I'll not wash, it's too late I lack change for the plate, And my housework is left in the lurch. How I look, who should care, No decorum is there, For I'm off to the Radio church. E. M. G.

Last lines are too commonplace. Therefore we will

#### Wire Grass



#### Condensed By DIELECTRIC

There are some refinements about broadcasting plays which are yet to appear. We have advanced somewhat since Radios first made their bow to the listening public in the matter of creating the play atmosphere. Just recently an excellent suggestion. came to WGY, Schenectady, from a fan in Maine and every devotee of this station who tunes in the General Electric players will appreciate the advantage of linking a voice with a character at the outset of the play. The comedy "The Sacrifice" was ably given and easily followed throughout.

Did you happen to tune to WEAR, Cleveland, while the Western Reserve university alumni concert was in progress? If not, you missed hearing men's singing under very favorable conditions; they being: good voices, good training and entertaining songs. This station does not hesitate to present features of the

Due to station interference and code, many fans living in the eastern part of the United States seldom are able to spend any part of an evening with Station KTHS, Hot Springs. They live in hopes. One of the best attractions lately offered from the station was the concert given by the 153rd Infantry band. It will bear a return engagement.

Following a vigorous day at the office, or elsewhere for that matter, it is indeed relaxing to get in tune with WSB, Atlanta, and let the announcer direct your entertainment. Those of us who had this station on a certain evening recently heard a pleasing soprano sing some of the typical southern melodies in a fascinating manner.

The time is now at hand when we can judge better whether or not increased power for our broadcast stations is worth while. To those who often tuned to KFI when that station was operating on 500 watts, the difference in strength and clarity should be quite apparent as the new transmitter is now shooting 2,000 watts nightly. One program in particular came through very fine the other evening. It was by a saxophone band of sixty pieces. After listening a while it seemed hard to realize that the same instrument so generally used to show the same instrument so generally used to clown up in a dance orchestra is capable of being used to better advantage. That soul-stirring march, "The Stars and Stripes Forever," was very effective.

Once again I have occasion to refer to a station in Cincinnati, WLW, to congratulte them upon securing Cincinnati, WLW, to congratulte them upon securing the attendance at their studio of the Formica orchestra. This body of musicians is perhaps no better than many others one might mention, but it chose a program in part presenting works of Charles Wakefield Cadman, one of America's foremost composers. The musicians had imbibed the spirit of Cadman, evidently.

From WCAP, Washington, Radio listeners recently had an offering of a girls' glee club singing numbers varying in character though not in careful presentation. The contralto voices were of very good quality and suffered no eclipse from the sopranos, as so often happens. In fact, the club was well balanced throughout and deserves commendation.

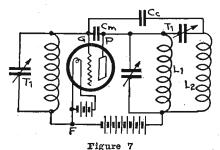
Anyone having seen as well as heard the opera "Samson and Delilah" (especially with famous artists) can close their eyes and picture the dramatic develop-ment of this opera while listening to a broadcast version. WEAF, New York, presented singers with fair understanding of Saint-Saens' score.

# Recent Advances in Tuned R.F. Amplification

#### Part II—Circuits in the 1924-5 Receivers

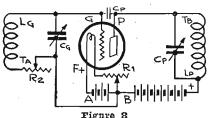
By Milo Gurney

B EFORE passing on to showing other than schematically, modifications and adaptation of Rice, Hartley and Hazeltine, it may prove interesting to digress a moment in calling your attention to circuit figure 7, which enjoys a marked likeness to Professor Hazeltine's circuit, the only apparent difference being circuit, the only apparent difference being the employment of a variable capacitance between the coils T1-L1 which comprise series resonant circuits. With this circuit at resonance the voltages in coils L1-L2 are in phase opposition and, by inserting T1 between the input circuit and the top of L2, compensation is accomplished. This circuit, which will be given in detail in a later article, should prove superior to either the Rice or Hazeline method of neutralization, even though tine method of neutralization, even though it is not a perfect compensator for wave lengths foreign to the resonance point of the coupled circuits. It, however, is easily constructed and offers much toward surprising efficiency, affording in theory a much closer counterpart of Hazeltine's regeneration limiting device than that indicated in the Rice method.



Reverting back to the more simple variable non-inductive resistance is inmeans exploited in tuned radio frequency serted in the input circuit. This resistance mapplifiers wherein intentional losses are deliberately inserted, either in the primaries or secondaries, to absorb undesired values of regeneration one will readily note that in each method used it sequitate apparent that the designer of resistance is inserted in the input circuit. This resistance may be of the order of 1,000 ohms, must be variable and should preferably that each method used it variance of this method of inserting a contract of the primary of the property o is quite apparent that the designer of resistance is shown in figure 9, wherein the circuit made no intelligent attempt the resistance is fixed rather than vari-

toward providing neutralization, but in- able and is placed at the high potential troduced a loss, usually in the form of a end of the input circuit. This method is resistance, to accomplish or cover up a used in the first and second stage of a resistance, to accomplish or cover up a bad job, while often this method of re-sistor insertion has been used purely to dodge patent infringements. Among such means are the well known use of so-called stabilizers, high resistance transformers and potentiometers. No originality of thought is expressed in any of these adaptations, while in general, and in a



greater or less degree, they are harmful because, while they do function toward nullifying the effect of over inter-stage regeneration, yet in doing so their adoption trends toward causing distortion and the limitation of selectivity, each result to be avoided if possible. It would, how-ever, be unfair to exclude a few diagrams showing some of the methods used and to advise as to which of these methods is most desirable should the experimenter desire to use them in an attempt to improve upon their application, which naturally is desirable.

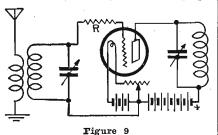
#### Insertion of Series Resistance

Figure 8 shows a typical input and output stage of a tuned circuit as used in tuned radio frequency amplification, in which it will be noted that a series

well-known commercial receiver, the first stage having as its resistor value approximately 625 ohms, while the second is near the value of 600, these figures is near the value of 600, these ngures merely being given as approximate, in fairness to the manufacturer and with the further assurance that they would not hold as accurate or correct for the receiver you may construct. They are values as a guidance because the total losses essential for the securing of stabilization are guite obviously dependent when the are quite obviously dependent upon the amount of regenerative reaction one desires to control, and varies with the maximum regenerative constants indicated as to be controlled in the completed receiver.

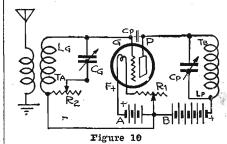
#### Shunt Resistance

Figure 10 shows a somewhat different method of loss insertion, it in effect being comparable with, and equivalent to, placing a variable shunt across the input circuit. This resistance should preferably also be variable and of the order of 1,500 to 2,000 ohms, though once the proper



esistor value is determined it may be locked as constant. The variable condenser is of the standard two-plate value as it is not critical, and minimum or maximum value is not overly important. Of the two circuits, viz., 8 or 10, figure 8 is to be preferred, first because of its greater ease of construction and, secondly because the grid to filament resistance is not changed as in figure 10, hence the less likelihood of annoying distortion.

While some few experimenters have directed their efforts toward the shown insertion of resistors, both variable and fixed, in the input or grid to filament circuit, another school of thought has reversed the procedure through placing versed the procedure through placing variable resistances in the output or plate circuit, some choosing their location ahead of the plate inductance or between it and the plate terminal, while others have



chosen to insert it between the plate return and the plus B battery feeding the plate. Irrespective of location, each remain as insertions of resistance and, while placing them in the plate or primary output circuit is less harmful than if they were placed in the grid or input circuit, they still remain as loss devises and do not, except in a measure, indicate a new thought or course of procedure toward the securing of ideal compensa-

They do, however, act in a measure as radio frequency chokes though evidently the thought prompting the procedure of such plate circuits resistance was to reduce the plate battery component and to at the same time accomplish this, if pos-sible, without increasing the fundamental frequency of the primary in such a transformer.

Perhaps it is well at this point to touch upon the interesting subject of coil ratios, i. e., primary to secondary in radio frequency transformers, wherein both primary and secondary are of approxi-(Continued on page 18)

# Getting Concerts WHOLE



Cabinet Model "C" \$30

It soon dawns on the owner of a Bristol Speaker that he is listening in on entire concerts.

That roving disposition to tune in every station on the map is due, much more than is generally supposed, to a yearning for really sweet music.

One reason radio music does not always sound sweet is that certain of the tones are out of tune.

Coming through a Bristol Speaker, all the tones are evenly in tune. The result is an arresting sweetness that "invites" you to stay through a concert to the end.

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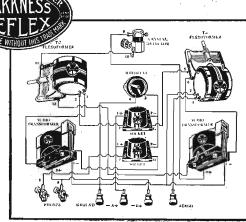


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best features of the most powerful present-day circuits into one receiver -at the lowest possible cost!

Also ask to see the improved THREE-TUBE COUNTERFLEX The wonder set  $\$39\underline{50}$ 

SHAMROCK MFG. CO.,
Dept. 32-C, Market St., Newark, N. J.
I enclose 10 cents (U. S. stamps or coin) for copy of "Shamrock Radio Builder's Guide Book" containing diagrams and complete illustrations for building 10 sets at prices; ranging from \$15 to \$50.

Address

#### TUNED R.F. ADVANCES

(Continued from page 17)

mately the same gauge and of equal in sulation. The major portion of such transformers keep this ratio as high as poswhile the general practice is to insert the primary inside of the form holding the secondary and to maintain a spacing of about one-quarter inch between turns of the primary. In the construction of the radio frequency transformers for some of the circuits which I will show, two very radical departures from this usual method will be shown and the logical reason given for each method used; not with the intention of joining the army of "low lossers" as a buck private, but rather with hopes of attempting to advance the science instead of wrecking it with purely mechanical tricks in place of electrical goodness. Am I in favor of low loss? Never! Merely as a name, but what I am in favor of is maximum power factor almost a new word in Radio, and I wan almost a new word in radio, and I want this power factor high in the completed receiver, rather than concentrating on one spot and loosing it in the next. Possibly I should not call spades spades, but rather use the more generic term shovels; however, low losses result in the very result our leading engineers are working night and day upon and, having faith in their ability to solve the problem, let us then look to them for our greater success rather than to the clever mechanic.

Primary to Secondary Ratio

Turn ratio, or the step up ratio factor, in radio frequency transformers, in so far as believing that "the greater the so far as believing that the greater the ratio the greater the energy transference" has been proven as erroneous. By way of illustration, if we have six turns in the primary winding and fifty-four in the secondary winding of a solenoid type of radio frequency transformer, our turns ratio would be high, one to nine, yet our transfer or inductance value would be transfer or inductance value would be comparatively low. To the contrary, should we increase the number of turns say eighteen or a step up ratio of 1 3, equal to a third of our former value, the amplitude of inductance transfer from primary to secondary would be at approximate maximum.

Hence, ratios, of themselves, are but relative terms and apparently have been considered too carelessly by many "low lossers." Not all, by any means, as in some circuit designs and, in particular, antenna input design, turns ratio effi-clency with regard to its inductance trans-ference, is obviously and essentially high.

The "Goode"

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While this factor is equally true in inter stage coupling upon some types of circuits, however, in general as we increase the turns ratio between primary and secondary we decrease the tendency toward ordary we decrease the tendency toward creating sustained oscillations and, in direct proportion, increase the inductance transfer factor. Therefore, unless one is prepared to determine the compromise his limitations command it is best that he limitations command it is best that he look upon all few turn primary, or high ratio radio frequency transformers, as devices which will tax his ingenuity toward control unless his circuit design definitely prompts their use.

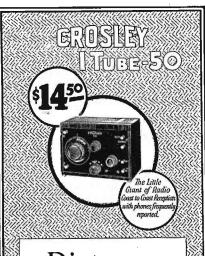
#### Mechanical Construction

Another feature of radio frequency design common to many makes on the market for which there appears no logical reason, and which but meant additional cost to the manufacturers, and infinitely hard construction to the home builder, is the practice of placing the primary windings within or upon the inside of the

As I write this, I have before me a radio frequency transformer so arranged as to mechanical arrangement of the entire coil that it shows clearly the maximum of mechanical ingenuity in its design and particularly, extreme cleverness and elaborate preparation for the placing of the primary inside the solenoid. With its secondary winding, it would be easily possible to present it as the finest mechanical effort in coil construction that I have seen, yet I cannot recommend it because the primary is too close to the center of the coil's magnetic field, which is another way of impressing upon you another danger point. Obviously, the ideal position would be outside of the secondary and as much out of its magnetic field as possible without destroying its induc-tive relation value. Therefore, in the ra-dio frequency transformer which I shall describe later, an attempt will be made to picturize and describe a nearly standard radio frequency transformer as representing the present advanced state of the science.

(How primary cells-commonly known as all batteries other than storage—generate electricity—is Professor Moreton's next subject. The chemical actions are simply explained.—Editor's Note.)

If your ground wire runs under the carpet, you soon will notice extra wear where the wire raises the carpet. To avoid this substitute brass ribbon for the round wire.



#### Distance

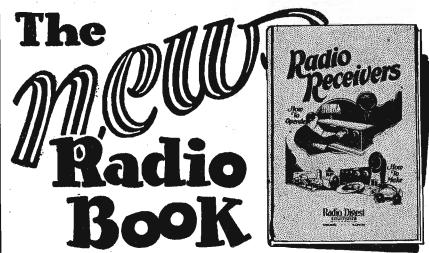
on the phones-with certainty and regularity - on the Crosley one-tube 50. The radio which told the world that the MacMillan North Pole expedition was safe and sound. The radio that kept communication open to Leonard Weeks at Minot, N. D., when all

Minot, N. D., when all other receivers failed.
There is nothing better than the Crosley 50 for the radio beginner.
There is nothing to excel it in value; unless it be the larger Crosley sets.
Stations always come in at the same place.
For sale by good dealers everywhere. Other models priced from the two tube 51, at \$18.50, to the Trirdyn Special with sloping panel, at \$65. All Crosley Radios are licensed under Armstrate. at \$65. All Crosley Radios are licensed under Armstrong Regenerative U. S. Patent No. 1,113,149. Prices quoted are without accessories.

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The Crosley Radio Corporation

Powel Crosley, Jr., President 6491 Sassafras St. Cincinnati, Ohio Crosley owns and operates Broad-casting Station WLW



Howto≈ understand radio, assemble circuits, improve reception, operate sets,

VERY phase of Radio reception gathered into one book at last! Explanation of elementary principles, directions for constructing parts, detailed how-to-build articles for the assembly of sets, operating directions on popular manufactured outfits.

Haven't you often wondered what all the spirals, wriggly lines and zig-zag lines were about on diagrams? A big chart shows you a picture of the part as you see it and, beside the picture, the symbol used in diagrams. Other articles show clearly just what happens within the mysterious little vacuum tubes that glow hour after hour within your set, apparently without change, yet pass every note of a jazz orchestra or soprano.

Antennas, for whose erection there are seemingly no rules, are covered fully; the reason for a long wire in some locations and a short one in others, is readily grasped by anyone. Crystal sets, one tubers, two tube reflexes, three tube regenerative and reflex outfits, four tube R. F. and neutrodynes, five tube assembliesall types are presented up to the nine tube "super," king of the air.

#### For the Man That Bought His Set

For the non-technically inclined there is a two-color broadcast map of the country, operating schedules of all the leading stations, call letters and power rating of every station on the air, suggestions for the care of batteries and tubes.

No matter what type of receiver you own, there are dozens of valuable suggestions on tuning, trouble shooting and operating. Your head receivers, loud speaker, antenna and certain parts within the set, require frequent cleaning, adjusting and care. Interference and its remedies are factors you should understand even though you care nothing about "what makes it go."

Compiled by the technical staff of Radio Digest, it represents the high lights of the past twelve months in the Radio field. All this data is indexed for ready reference and logically arranged. Only a few thousand have been printed and this offer will stand for a limited time. The only book of its kind and is FREE with one year's subscription to Radio Digest. This offer good only on subscriptions sent directly to this office, not through agents or agencies.

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(All postage prepaid) The "Goode" Two-o-One A Tube amplifies or detects. It is a quarter ampere, five volts, standard base silvered tube.

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Detector-Amplifiers......

# A. B. C. Course in Radio Fundamentals

# Chapter XI—Electrical Measuring Instruments (Part 2)

By David Penn Moreton

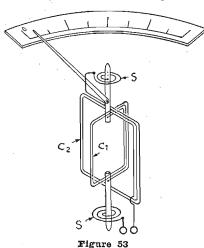
THE fundamental principle of the electrodynamometer type of ammeter is shown in figure 53. The current to be measured is sent through two coils, C<sub>1</sub>, connected in series. One of the current in the current in the reverse direction, although the value of the current in the reverse direction, although the value of the current in the indication of the instrument, then their effect is not neutralized by the reversal of current and they cause an error in the indication of the instrument is to be measured, and in order that the introduction of the instrument. it may turn inside of the other coil, C<sub>2</sub>. Two coil springs, SS, control the position of the movable coil and at the same time provide an electrical connection to it. Now, when there is a current in the am-Now, when there is a current in the ammeter, the following conditions will exist. There will be a magnetic field produced inside of the stationary coil whose strength will vary directly as the value of the current in the coil. As a result of there being a current in the movable coil, and since it is in a magnetic field, there will be a force acting on the coil which will cause it to rotate against the force due to the springs. The coil will come to rest in a position such that the force due to the action of the current will be exactly equal to the force due to the springs. The deflecting force, or the force which moves the coil from its zero position, varies in value with the value of the current in the movable coil and the strength of the magnetic field inside the stationary coil, which in turn varies in value with the current in the movable coil which stationary coil, which in turn varies in value with the current in this coil, which value with the current in this coil, which is the same as the current in the movable coil, or, the deflecting force will vary in value with the product of the current in the stationary coil and the current in the movable coil or, the current squared. The scale of the instruments, however, are usually marked to read the current directly. current directly.

Direction of Current No Worry

An instrument of this kind will always deflect in the same direction when there is a current sent though it, regardless of the direction of the current. When the current is reversed in direction, there is a reversal of direction of the magnetic field within the stationary coil and at the same time there is a reversal of current in the movable coil and this double reversal results in the force acting on the movable coil remaining unchanged in direction.

When an instrument of this kind is

rent is exactly the same in both cases. This difference in deflection is due to the action of any magnetic field, other than the magnetizing action of the current in the instruments, which may exist in the region in which the instrument is located. Such magnetic fields usually produce a



different effect with the current in one direction than they produce with the current in one direction than they produce with the current in the reverse direction, which accounts for the difference in deflection. When an alternating current is being measured, the effect of any outside magnetic fields is to increase the deflection for one alternation of the current and to decrease the deflection are call constant. decrease the deflection an equal amount for an alternation in the opposite direction so that the actual or average deflection is independent of the effect of the outside magnetic fields.

Of course, when the outside magnetic

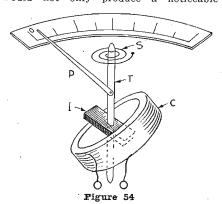
The fundamental principle upon which another type of ammeter, known as the "magnetic vane" or "soft iron" type, operates, may be explained by reference to figure 54. A coll C carries the current to be measured, and this coll is mounted in an inclined position. A piece of soft In an inclined position. A piece of soft sheet iron I is mounted on a shaft T, which is in turn mounted in a vertical position inside the coil C. A sping S holds the pointer P, which is attached to the shaft T, in its zero position. The piece of iron I is mounted on the shaft T with its planes making an angle of something like 45 degrees to the shaft and almost resulted to the shaft and the shaft almost resulted to the shaft and the shaft almost resulted to the and almost parallel to the plane of the coil, when the pointer is in its zero posicoil, when the pointer is in its zero posi-tion. Now when there is a current in the coil, a magnetic field will be pro-duced within the coil and the piece of soft iron will be magnetized, and as a result there will be a force acting on the piece of iron tending to turn it so that its longest dimension is parallel to the axis of the coil. The value of this force axis of the coil. The value of this force will, of course, depend upon the value of the current in the coil, increasing with an increase in current and decreasing with a decrease in the current. The direction of the current in the coil has nothing to do with the direction of the force because the polarity of the piece of iron changes when the current is reversed and the deflecting force will have the same

What Happens with Direct Current

direction

When an instrument of this kind is used to measure a direct current, the deflection may be influenced by stray magnetic fields as explained in the case of the electrodynamometer type of instruments. The magnetism in the piece of iron lags behind the current and this will cause the instrument to indicate lower values than it should when the current in

An ammeter is always connected in series in the circuit in which the current is to be measured, and in order that the introduction of the instrument into the circuit may produce as small an effect as possible, the resistance of the instrument should be very small in comparison to the resistance of the remainder of the circuit. A high resistance ammeter would not only produce a noticeable

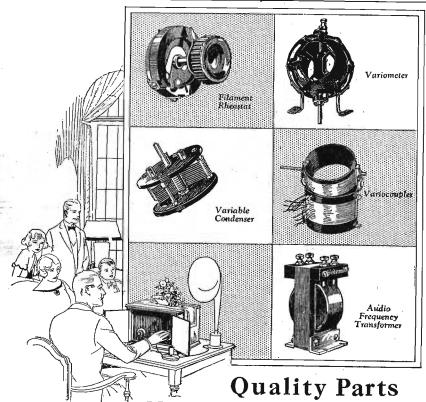


change in the total resistance of the circuit and hence the values of the current, but there would be a large loss in the high resistance ammeter in comparison to the loss that would occur in the low resistance instruments.

#### Use of Ammeter Shunts

When small currents are to be measured the total current passes through the coil or coils of the instruments. These coils and the electrical conhections to them would be very cumbersome if they were made large enough to handle heavy currents, and in such cases use is made of what is called an ammeter shunt. The connection of the ammeter shunt is

(Continued on page 20)



Matched for Perfect Teamwork Your "pet" hook-up needs first quality parts-perfectly matched—to give you real radio.

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#### **Summer Static**

## Now overcome by Volume! Enjoy Radio All the Year Around--This Way!

Kellogg

Frequency Transformer

HOW often have you heard it said, "Well, the warm weather is coming on, I had better put my radio on the shelf. It will be of no use until Fall.'

There is absolutely no way to eliminate all static from your radio recep-

tion, but today there is a way to reduce it to a point where it ceases to annoy. This new way to over-come static is by volume. And volume can best be obtained by using trans-

formers that will amplify

weak signals to their great-

est strength. Here are the Kellogg audio and radio frequenc ransformers. Kellogg Transformers give volume with clarity of tone.

The Kellogg radio frequency transformer is of the low-loss, high-efficiency type, incorporating important new features. It will operate at all

broadcast wavelengths with standard 00035 to 0005 variable condenser. For best results, however, we recommend the Kellogg .0005 low-loss variable con-denser. Kellogg R.F. Transformers at all radio dealers-\$2.35 each.

Kellogg audio frequency transformers give maximum volume with clear reproduction. They will build up the volume of any receiving set. This is due to the high quality materials used, expert workmanship employed and the special Kellogg process of frequency transformers are made in both shielded and

unshielded types ranging in price from

\$3.50 to \$4.50.

Kellogg transformers may be obtained at all radio dealers.

#### KELLOGG SWITCHBOARD & SUPPLY CO.

Transformer

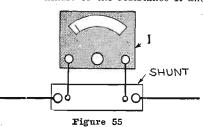
1066 W. Adams St., Chicago, Illinois

#### A. B. C. RADIO COURSE

(Continued on page 19)

shown in figure 55. The shunt is a very low resistance and the greater part of the current in the circuit passes through the shunt and only a small part of the current passes through the instrument I. The indication of the instrument I is, of course, due to the current through it, and if the relation of this current to the current through the shunt is known the total current in the main circuit may be determined by multiplying the indication of the instrument I by a constant. The scale on the instrument may be marked to read the current in the main circuit and in such a case there is no need of a constant. In the use of an ammeter shunt the division of the total current between the shunt and the instrument must be known and the division of this current is not the same for direct current as it may be for an alternating current,

as it may be for an alternating current, unless the electrical characteristics of the shunt and the instrument are identical. A voltmeter is an instrument used to measure the difference in the electrical pressure between the two points on an electrical circuit to which its two terminals are connected. For example, in figure 56, the voltmeter V is connected to the terminals of the resistance R and



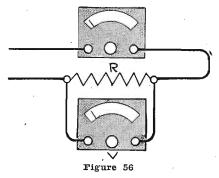
will give an indication of the value of the electrical pressure between the terminals of the resistance. The ammeter A will indicate the current in the main circuit, which will be practically the same as the current in the resistance R, provided the voltmeter takes a very small

A voltmeter depends for its operation A voltmeter depends for its operation upon some effect produced by an electrical current, just as in the case of the ammeter, and the only difference in their construction is that the voltmeter has a comparatively high resistance and the ammeter a comparatively low resistance. The deflection of the moving element of

Finer Selectivity Equip your receiving set with Apex Vernier Dials. They will greatly increase the efficiency of any set. Make tuning positive-bring in distant stations. Your dealer has them. If not, send \$2.00 for Royal Brass Finish—\$2.50 for Sat-in Silver Finish, or \$3.50 for DeLuxe Gold Plated (24k). APEX SUPER 5 This highly efficient tuned radio frequency receiver is most advanced in design and construction. An instrument that meets every critical expectation of the radio enthusiast. Housed in a highly finished walnut cabinet, complete with Jones Multi-plug Bat-tery Cable. All settings highly gold plated. Sells for At All Good Dealers APEX ELEC. MFG. CO. 1410 W.59th St. Chicago Dept. 506

the voltmeter depends upon the current through the instrument, and, if the re-sistance of the instrument is constant, this current will vary in value as the electrical pressure between the terminals of the instrument changes. of the instrument changes.

A voltmeter may be constructed so that a full scale deflection of the pointer will be produced by several different voltages. For example, the resistance of a certain voltmeter may be such that an electrical pressure of 15 volts is required to produce a full scale deflection. Now if a second coil be placed in series with this instrument and the resistance of this coil is equal to the resistance of the coil is equal to the resistance of the voltmeter, then a pressure of 30 volts will be required to produce a full scale deflection of the pointer. This second coil may be placed inside of the containing



case of the instrument and a double markset of the instrument and a double marking placed on the scale, and a double set of terminals provided.

A wave meter is an instrument consisting of a variable condenser in series with

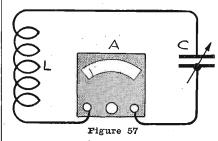
a variable inductance and some means of indicating the maximum value of the current in the circuit. An instrument of this kind is used to measure the wave length of an oscillatory circuit by adjusting the inductance or capacity, or both, until the wave length is in resonance with the circuit to be measured. The resonance condition can be determined by means of the current indicating device in the meter, the current being maximum for esonance.

An ammeter is usually used to indicate the current, although in some instruments a telephone receiver and detector are used, the detector being required to make the radio frequency currents above audibil-

THERMIODYNE ULTRADXRE MURDOCK **GZARKA** Pfanstiehl MICHIGAN Deresnadyne MALONE LEMON MASTER RADIO ADLER-ROYAL HARTMAN **AUDIOLA EAGLE** GLOBE AND MANY OTHERS Follow their lead TRANSFORMERS Standard on the majority of quality sets

Build or replace with Thordarsons. Dealers every-where, Hook-up bulletins free. Write Thordarson Elec-tric Mfg. Co., Chicago.

The diagram of the wave meter shown in figure 57. In order that a wide range of wave lengths may be measured it is customary to provide several different inductances of different sizes. The condenser is of the variable type with air as a dielectric and its capacity may be varied from zero to the maximum value, which will depend upon the size, number of plates, and the distance be-



tween them. The condenser is provided with a dial which will give an accurate indication of the position of the variable plates of the condenser, and also its capacity. Now for each particular inductance there will be a range of wave lengths which may be measured by varying the capacity from its maximum value to its minimum value. A chart or curve usually accompanies each instrument which gives the relation between dial reading and wave length for each inductance. The inductances are most generally mounted outside the containing case of the instrument for ease in changing.

(Different types of batteries, their construction and special uses, will be taken up next by Professor Moreton. Primary cells, those which generate electrical energy by chemical action, are the subject next week.—Editor's Note.)

#### The Reader's View

#### Re Harmonica Contests

I noticed on the front page of the Radio Digest of May 2 that a harmonica contest is to be waged at Station WBAP.

contest is to be waged at Station WBAP. The challenger, Mr. Wright, I have not met, but Mr. McBeth I met in Dallas winter before last, where the writer won first money at an adults' harmonica contest at Kieths, when my friend Borah Minevitch played. Mr. McBeth was there, but for some reason did not play.

I am glad to see this spirit of rivalry now, and hope it will be all good natured. When I was a boy we sat on the rail fence and always featured the harmonica to help out the glee (?) club.

I would like the addresses of about four

or five of the best harmonica players (aside from Mr. Minevitch) and would like to have them write me in care of Radio Digest. I want only ones who have played a number of years and are able to render jazz or classics.—I. J. Lockwood.

#### Tune Him Out

I was glad to see the article by Robt. Whitfield of Texas regarding those pests of the air, the telegram readers. Certainly, if anyone has a just cause to complain, Mr. Whitfield has, as the chief offender is

Mr. Whitfield has, as the chief offender is located in his state.

I agree fully with Mr. Whitfield that the main object of these laudatory gushers is to hear their names announced over the Radio. Like him, when they commence reading the telegrams my hand invariably and instantly reaches for the dials; we have that satisfaction at least.—Thomas L. Earley. Thomaston L. Farley, Thomaston, Ga.



## The Three Curses of Radio

# Power Noises, Static, Reradiating Squeals

The Kane Antennae absolutely eliminates all power noises. The Kane Antennae cuts real "static" and reradiating squeals

The Kane Antennae enables you to get the full benefit of your Receiving Set All Summer Long.

Another of our many satisfied customers proves our claims in the following letters.

#### "HE SUFFERED GRIEF AND PAIN"

Gentlemen:—

Referring to your Ad in "Radio Digest" in regard to your Antennae, I have a six tube Super Cenith operating on wet "A" Batt., and am troubled with power noises and static, being located within 75 yards of a 50,000-volk power line. Located in two-story building and have set on second floor. Depot is between two railroad tracks.

Kindly advise if you think your Antennae would help me out under the above circumstances. Kindly give dimensions of Antennae, that is, length and distance from ground lowest wires would be. It is almost imperative for me to run Antennae across railroad track.

Hoping to hear from you soon,

(Signed) Yours truly, B. H. Beaver, Agent ATSF RR Co., Johannesburg, Calif.

#### "THEM DAYS IS GONE FOR EVER"

Gentlemen:— Johannesburg, Calif., May 6, 1925.

I have installed one of your Antennae which you recently shipped me, and find that it has eliminated all power induction from 50,000-voit power line within 150 feet of Antennae's location.

Several stations that I could not bring in at all on account of this power induction I now bring in clearly. Needless to say it has improved greatly reception from all stations.

Thanking you for promptness in filling order and wishing you success, I am, (Signed) Yours truly, B. H. Beaver, Agent ATSF RR Co.

See for Yourself Just What This Wonderful Antennae Is

We will sell you working drawing with instructions for erecting this wonderful
Antennae for a dollar bill. If, after looking over the drawing, you decide you
would rather have a factory-built Antennae than build one yourself, we will take
back the drawing and allow you full purchase price on an order for an Antennae.

The Special Kane Antennae for Radiola Super-Het's...... The Regular Kane Antennae for all other sets that use a ground 13.00 connection

Working Drawing with Instructions for Erecting, \$1.00 (Stamps Not Accepted)
Postpaid to any part of the United States or sent C.O.D. when 25% of purchase price accompanies order.

"HEAR AS YOU HAVE NEVER HEARD BLFORE"

THE KANE ANTENNAE COMPANY, Aberdeen, Wash.

# Radiophone Broadcasting Stations

## Corrected Every Week-Part IV

#### FIND MISTAKES AND YOU'LL GET DOLLAR

NE DOLLAR will be paid to the Radio fan reader of Radio Digest submitting the most errors in any one station's listing in the Directory of Radiophone Stations, which appears in five parts, serially continuously on the next to last page. Letters must reach Radio Digest's office not later than one week from date of issue corrected. Readers are not limited to correcting one station, but such corrections must be verified by the stations themselves, and NOT by comparison to other so-called accurate Radio directories or lists. Verifications must accompany corrections. Turn in corrections for as many stations as you can find—if you can find errors! Use separate sheet of paper for each station submitted and place name and address on each sheet. In case of tie, duplicate awards will be made.

#### United States (Cont'd)

NOTE.—The fourth part of the schedule list appears below. Part five appears next week.

WNI, Newark, N. J. 252 meters. 50 0watts. Radio Shop of Newark, Inc. Announcer, W. A. Blngenheimer. Godwark." Tues, Wed, Fri. Sat, Sun, 6-6:30 pm, 8:30-12, dance music. Eastern Daylight.

Sati, Sun, 0-0-09 pn, 0-00-12, dance index. Daylight.
WNYC, New York, N. Y. 526 meters. 1000 watts. New
York Municipal Radio Station, Slogan, "Municipal
Broadcasting Station of the City of New York," Daily
2-5 pm; 7:30 pm, 10:30, pollee; 7:35, entertalnment;
10:30, weather, Sun, 9-11 pm, Mark Strand theater.

10:30, weather, Sun, V. Eastern Daylight, Eastern Daylight, WOAC, Lima, O. 261 meters, 50 watts, Page Organ Co. (H. P. Maus). Tues, Thurs, Sat, 7:30-8:30 pm.

(H. P. Maus). Tues, Thurs, Sat, 7:30-8:30 pm. Central.

WOAI, San Antonio, Tex. 394.5 meters. 1000 watts, Southern Equip. Co. (Evening News-Express). Announcer, J. G. Cimmings. Slocan, "The Winter Playstround of America, Where the Sunshine Spends the Winter," Daily ex Sun, 10:30 am, 12:15 pm, 3, markets; 7:00, sports, markets. Tues, 8:30-10:30 pm, Thurs, 9:30-10:30 pm, music. Sun, 11 am, church service; 7:45 pm, church services; 9:30-10:30, music Central.

WOAN, Lawrenceburg, Tenu. 282.8 meters. 500 watts. James D. Vaughan. Announcer, James D. Vaughan. Daily and Sun, 12:15-12:45 pm, concert. Daily ex. Sat, 9-10 pm, concert. Contral.

WOAW, Omaha, Neb. 526 meters. 1000 watts. Woodmen of the World. Announcer, "GR," Gene Rouse. Slogan, "The City Surrounded by the United States." Daily ex Sun, Wed, 12:30-2 pm; 5-7:30, 9-11. Sat, 11-12 midnight, dance. Sun, 9-10:45 am; 1:30-4 pm; 9-11. Central.

WOAX, Trenton, N. J. 240 meters. 500 watts. F. J. Wolff. Slogan, "The Voice from Trenton," Daily, 12:15 pm, weather, mid-weekly crop report. Eastern daylight.

11-12 mldnight, dance. Sun, 9-10.45 am; 1:30-4 pm; 9-11. Central, WOAX, Trenton, N. J. 240 meters. 500 watts. F. J. Wolff. Slogan, "The Voice from Trenton." Daily, 12:15 pm, weather, mid-weekly crop report. Eastern daylight.

WOC, Davenport, Iowa. 483.6 meters. 2000 watts. The Palmer School of Chiropractic. Announcer Stanley W. Barnett. Slogan, "Where the West Begins and in the State Where the Tall Corn Grows." Daily ex Sun, 12:37 pm, time; 1 weather, 1:15, lecture, (ex Sat), closing markets, 3 (ex Sat), home hour; 5:45 pm, chimes; 6, bulletin, baseball; 6:30, (ex Tues), sandman. Wed, Fri. 4 pm. Tues, 6:30 pm, music. Wed. Sat, 9 pm. Thurs, 7 pm. Fri. 8 pm. Thurs, Sat, 11 pm, dance music. Mon, silent. Sun. 1 pm, ordenstra. 6:50 baseball; 8 pm, service; 9:30, music. Central. WOCL, Jamestown, N. Y. 275.2 meters. 15 watts. Hotel Jamestown, Inc. Announcer, Ernest H. Kleser. Slogan, "We're on Chatauqua Lake." Wed. 8 pm. Sun, 10:30 am, 7:30-9:30. Eastern.
WODA, Paterson, N. J. 202.6 meters. 10 watts. James K. O'Dea Radio & Victrola Shop.
WO, Apaterson, N. J. 202.6 meters. 10 watts. James K. O'Dea Radio & Victrola Shop.
WO, Apaterson, N. J. 202.6 meters. 10 watts. James K. O'Dea Radio & Victrola Shop.
WO, Anses, Ia. 270 meters. 500 watts. Iowa State College. Announcer, H. B. Deal. Dally ex Sun, 9:30 am, weather reports; 12:30 pm, chines, market, weather, educational talks; 9:30, weather. Mon, 10 pm, informal program. Thurs, 8:15 pm, musical. Sun, 10:45 am, chimes; 11, chapel. Central.
WO, Philadelphia, Pa. 508.2 meters. 500 watts. John Wanamaker. Announcer, Jos. N. Nassau. Dally ex Sun, 12:40 pm, concert, 5:15 pm, organ recital; 7:30, sports, police reports; 9:55, time; 12-17 pm, concert, 5:15 pm, organ recital; 7:30, sports, police reports; 9:55, time; 10:20, weather. Mon, Wed, Fri. 7:30-11 pm, music, concert. Sun, 2:30 pm, Sunday School of Christinity.
WOR, Newark, NJ 405.2 meters. 500 watts. Unity School of Christinity.
WOR, Newark, NJ 405.2 meters. 500 watts. L. Bamberge & Co. Announcer, J. M. Barnett, Dally ex Sun

State College. Slogan: "The Voice of the Nittany Llon."

WQAA. Parkesburg. Pa. 220 meters. 500 watts. Horace A. Benle, Jr. Temporarily discontinued.

WQAC. Amarillo, Tex. 234 meters. 100 watts. Gish Radio Service. Irregular schedule.

WQAE. Springfield, Vt. 246 meters. 50 watts. Moore Radio News Station. Announcer, Ernest S. Newell. Slogan, "Among the Green Hills of Vermont." Sat. 11-1 am. Sun, 10:30 am., church service; 7 pm. service. Eastern.

WQAM. Miami, Fla. 268 meters. 100 watts. Electrical Equip. Co. Announcer, Frederick W. Mizer. Slogan, "It is Alway June in Miami." The Most Southern Radiocasting Station in U. S. Tues, Thurs, Sat, 10-12 midnight, music. Sun, 7:30-9 pm. Eastern.

WQAN. Scranton, Pa. 250 meters. 100 watts. Scranton Times. Announcer, T. V. Nealon. Slogan, "The Voice of the Anthractic." Daily ex Sun, 12:30-1 pm. 4:15-4:45, news, reports, music. Tues, Fri, 8 pm, entertainment. Eastern.

WRHF, Washington, D. C. 256 meters, 50 watts wusnituden Radio Hospital. Daily ex Sun, 2:30 pm.

WRK, Hamilton, O. 270 meters, 200 watts. Doron Bros. Elec. Co. Slogan, "The Oldest Station in Existence." Fri, 8:15 pm, music, lecture. Sun, 10:15 am, 7:30 pm. church services. Central.

WRM, Urbagia, III. 273 meters, 500 watts. Univ. of III. Irregular schedule. Broadcasts sports.

WRR, Dallas, Tex. 272.6 meters 350 watts. City of Dallas. Announcer, C. H. Garrett. Daily ex Sun, 11:30-12:30 pm, weather, music; 2:45-3:30, sports, markets, news; 7:30, police bulletins; 7:30-8:30 pm, music. Tues, 8:30-9:30 am. Sat, 12-2 am, organ. Sun, 10 am, church service. Central.

WRW, Tarrytown, N. Y. 272.6 meters, 500 watts. Tarrytown Radio Research Laboratory. Announcer, Frederick Koenig, Slogan, "Everything in Radio," Datly ex Sun, Wed, 9-11:30 pm. Mon, 7-8 pm. Wed, 10-11:30 pm. Sun, 8-9 pm, 10:30-11:30. Eastern daylight.

et Sull, weed, 9-11:30 pm. Mon, 7-8 pm. Wed, 10-11:30 pm. Sun, 8-9 pm, 10:30-11:30. Eastern day-light.

WSAB, Cape Girardeau, Mo. 275 meters. 100 watts.
Southeast Mo. State Teachers College. Mon, Wed, 3:30 pm. lecture: 9, concerts. Central.

WSAC, Clemson College, S. C. 336,9 meters. 500 watts.
Clemson Agri. College. Announcer, H. E. Gaffney, Wed, 8 pm. Eastern.

WSAD, Providence, R. I. 256 meters. 100 watts.
Fosters-Jewelers.

WSAG, St. Petersburg, Fla. 266 meters. 500 watts.
Gospel tabernacle.

WSAI, Mason, O. 325.9 meters. 5000 watts. United States Playing Card Co. Announcer, P. A. Greene.
Mon, 10-12 m. Tues, 7-10 pm. Wed, 10-12 mldright.
Thurs, 8-10 pm. Sat, 8-10; 12-1:45 am. Sun, 3-4 pm. 8-10. Central daylight.

WSAI, Grove City, Pa. 220 meters. 250 watts. Grove City College. Announcer, Wm. L. Harmon. College activities. Wed. 7:30-9 pm, music, Irregular programs. Eastern.

WSAN, Allentown, Pa. 229 meters, 50 watts. Allentown.

WSA1, Grove City. Pa. 229 meters. 250 watts. Grove City College. Announcer, Win. L. Harmon. College activities. Wed. 7:30-5 pm, music, Irregular programs. Eastern.

WSAN, Allentown. Pa. 229 meters. 50 watts. Allentown Call Pub. Co. Announcer, C. Fred Ritter. Tues, Thurs, 8 pm. Eastern.

WSAP, New York, N. Y. 263 meters. 250 watts. City Temple. Thurs, 8-9:30 pm, Sat, 10:45-12 m. Sun, 7:30-9:30 pm. Eastern daylight.

WSAR, Fall River, Mass. 254 meters. 100 watts. Doughty & Welch Elect. Co. Inc. Announcer, Charles McCarthy. Daily ex Sun, 12-1 pm. Wed. 7-8:30 pm. Sun, 10:30-12 m. 4:30-6 pm. Eastern.

WSAL, Chesham, N. H. 229 meters. 10 watts. Camp Marlenfeld.

WSAX, Chieago, Ill. 268 meters. 20 watts. Cheago Radio Lab.

WSAZ, Pomeroy, Ohio. 244 meters. 50 watts. Cheago Radio Lab.

WSAZ, Pomeroy, Ohio. 244 meters. 50 watts. Cheago Radio Lab.

WSAZ, Pomeroy, Chic. 244 meters. 50 watts. Cheago Radio Lab.

WSAZ, Pomeroy, Chic. 244 meters. 50 watts. Cheago Check Sun, 10:30 am, 2:30 pm. Eastern.

WSB, Atlanta, Go. 428.3 meters. 500 watts. Atlanta Journal. Announcer, Lambdin Kay. Slogan, "The Voice of the South." Daily ex Sun, 12-1 pm, music, weather; 2:30, reports: 5, orchestra, time story: 8-9, concert (ex Wed) 10:45-12, concert. Sun, 5-6, 7:30-9:15, church services. Central.

WSKC, Bay City, Mieh. 261 meters. 50 watts. World's Star Knitting Co.

WSL, Utlea, N. Y. 242 meters. 100 watts. J. & M. Elec. Co. Daily ex Sat, Sun, 11-11:30 am, 5-6 pm, music, news. Mon, Wed, Sat, 8-9 pm. Sun, 10:30-12 m. 7:30-9 pm. Church services. Eastern.

WSMB, New Orleans, La. 319 meters. 500 watts. Saenger Amtsement Co. and The Maison Rlanche Co. Daily ex Sun, 12:30-1:30 pm, 6:30-7:30. Mon, Wed, Thurs, Sat, 8:30-10:30 pm. Central.

WSMH, Owosso, Mich. 240 meters. 100 watts. Shattuck Musie House.

WSMH, Dayton, Ohio. 275 meters. 150 watts. Shattuck Dayton's Broadcasting Statlon." Tues, Thurs, Sat, 8:30-9 mon, Sat, 8:10-9 mon

7:30 pm. course; 7:45, lecture; 8, lecture. Sun, 7 pm. children's hour; 9-9:30, music. Central. WSY, Aburn. Ala. 250 meters. 500 watts. Alabama Polytechnic Institute.

Polyteehnic Institute.

WTAB, Fall River, Mass. 266 meters, 100 watts. Fall
River Daily Herald. Daily and Sun, 6 pm, organ.
Tues, Thurs, 8-10 pm. Wed, Sat, 5 pm. Eastern Tues, Thurs, 8-10 pm. veu, standard.

WTAC, Johnstown, Pa. 267.8 meters. 100 watts. Penn. Traffic Co. Announeer, D. B. Cole. Mon, Fri, 7:30-10 pm. Eastern.

WTAL, Toledo, Ohio. 252 meters. 10 watts. Toledo Radio & Elee. Co. Announeer, E. R. Frank. Slogan: The Gateway to the Sea." Daily ex Sun, 8:30 pm. Eastern.

"The Gateway to the Sea. Date Statem.
Eastern.
WTAM, Cleveland, Ohio. 389.4 meters. 1,500 watts. Willard Storage Battery Co. Announcer, A. R. Herske.
Slogan: "The Voice from the Storage Battery." Daily ex Sun, 6-7 pm, dinner program. Mon, 8-12 pm, concert. Wed, 8-1 am. Sat, 9-12 midnight, dance.

cert. Wed, 8-1 am. Sat, 9-12 midnight, dance. Eastern. WTAP, Cambridge, 111. 242 meters. 100 watts. Cambridge Radio & Elec. Co. Announcer, A. McIntosh.

Calvary Bapitst Church. Announcer, R. E. Bogardus.
Slogan: "The First Church Owned and Operated No. 1 of the Wilderness." Announcer, Mrs. C. S. Van Gorden. T. 30 pm. church services. Eastern daylight. WAS. Lowell, Mass. 252 meters. 100 watts. Church Baking Fowder company.—Rainbo Gardens. Announcer, Lerry Sullivan. Daily ex Sun, 11-12 m, 3-4 pm. womans hour. Daily ex Sun, 11-12 m, 3-4 pm. womans hour. Daily ex Sun, Mon. 7-3 pm. 10-1-1; cservice; 3-4 pm.; 8-10 pm. music. Central daylight. WRAA. Houton, Tex. 255 meters. 100 watts. Radio Cub. Inc. Announcer, Charles Middleton. Slogan. The Voice of the Maple City." Mon. Thurs, Sun, T. 30 pm. weather, 100 watts. Radio Cub. Inc. Announcer, Charles Middleton. Slogan. The Voice of the Maple City." Mon. Thurs, Sun, T. 10 pm. central. WRAA. Houton, Tex. 256 meters. 100 watts. Radio Cub. Inc. Announcer, Charles Middleton. Slogan. The Voice of the Maple City." Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, The Voice of the Maple City. Mon. Thurs, Sun, Thurs, T

#### Argentina

B-I, Buenos Aires, Argentina. Francisco J. Brusa.
LOR, Buenos Aires, Argentina. 350-410 meters. 500 watts. Cla Badio Argentina.
LOV. Buenos Aires, Argentina. 350 meters. 1,000 watts. Francisco J. Brusa.
LOW, Buenos Aires, Argentina. 325 meters. 500 watts. Grand Splendid Theater. Announcer, Luis Diaz.
LOX, Buenos Aires, Argentina. 375 meters. Radio Cultura.

Cultura.

LOY, Buenos Aires, Argentina.

LOY, Buenos Aires, Argentina.

TCR, Buenos Aires, Argentina.

Watts. Francisco J. Brusa.

100

#### Australia

Australia

Broadeasters Limited.

2FC, Sydney, Australia.

350 meters. 5,000 watts.

Broadeasters Limited.

2FC, Sydney, Australia.

Farmer Co., Ltd.

3AR, Melbourne, Australia. 480 meters. 1,600 watts.

Associated Radio Co., Ltd.

5CL, Adelaide, South Australia. 375 meters. 5,000 watts.

West Australian Farmers, Ltd.

Gratz, Austria. 404 meters. Ravag. Vienna, Austria. 530 meters. Ravag. Brazil

SPE, Rlo de Janeiro, Brazil. 250 meters. 500 watts.
Debt of National Telegraphs,
Bahia, Brazil. Radio Sociedade do Bahla,
Belle Hortzantes, Brazil. 500 watts. National Telegraph Service.
Rto de Janeiro, Brazil. 6,000 watts. Marconi (Radio Sociedade do Rio de Janeiro.
Sao Paulo, Brazil. 10,000 watts. Radio Bondeirantes.

Belgium

BAV, Haeren, Belgium. 1.800 meters. 1,000 watts.

Daily, 1 pm, 2, 4:50, 6:50, weather.

SRB, Brussels, Belgium. 265 meters. 1,500 watts.

#### British West Indies

Curação, British West Indies. Department of Finance

#### Canada

(The power ratings of the following Canadian stations are given in "oscil-Canadian stations are given in "OSCII-lating" watts, rather than watts output— —the method in which American sta-tions are rated in this directory. CFAC. Calgary, Alta, Can. 334.5 meters, 500 watt.

—the method in which American stations are rated in this directory.

CFAC, Calgary, Alta, Can. 434.5 meters. 500 watts. Calgary Herald. Announcer, Fred Carleton. Dally ex Sun, 1 pm. news, markets, musle. Dally ex Sat, Sun. 3:30-4:30 pm. musle. (CNRC). Friday, 7-8 pm. organ; 11-12, test. Mountain.

CFCA, Toronto, Ont., Can. 356.9 meters. 500 watts. Thurs, 9-11 pm, news, cocks; 5:30-6 pm, news, bedtime story. Daily ex Sun, 12 m., weather. news, stocks; 5:30-6 pm, news, bedtime story. Daily ex Sun, Fri, 8-9 pm, (CNRT) Sun. 11 am, 7 pm, clurch services. Eastern.

CFCF, Montreal. P. Q., Can. 410.7 meters. 1500 watts. Marconi Wireless Telg. Co., Ltd. Announcer, C. Walter Darling. Daily ex Sun, 1-1:30 pm, stocks, musle. Mon. Fri, 7:30-8 pm, 8-9, reports, nusle. Eastern.

CFCH. Iroquois Falls, Ont., Can. 499.7 meters. 250 watts. Abitibi Power & Paper Co., Ltd. Slogan. "The Call of the North." Experimental station for forest protection.

CFCK, Edmonton, Alta., Can. 516.9 meters. 100 watts. Radio Supply Co., Ltd. Daily ex Sun, 4-5 pm. Wed. 9-10:30 pm. Sun, 4-5:30 pm. Mountain.

CFCN. Calgary, Alta., Can. 434.5 meters. 750 watts. W. W. Grant, Ltd. Slogan: "Voice of the Prairies." Tues, 11:30 pm, Service, Ltd. Off the air.

CFCR, Sudbury, Ont., Can. 410 meters. 200 watts. W. W. Grant, Ltd. Slogan: "Voice of the Prairies." Tues, 11:30 pm, Sun, 4-5 pm, Sun, 4-5 pm, Sun, 4-5 pm, Sun, CFCN. Calgary, Alta., Can. 434.5 meters. 50 watts. Wictoria, "Canada's First." Tues, Thurs, 7-8 pm, music. Wed, Pri, 8-9:30 pm, concert. Sun, 11 am, 7:30 pm, church services. Paelie.

CFCI, Victoria, B. C., Can. 229.5 meters. 50 watts. Laurentide Air Service, Ltd. Off the air.

CFCI, Hamilton, Ont., Can. 340.7 meters. 50 watts. Henry Birks & Sons, Ltd.

CFCO, Calgary, Alta., Can. 434.5 meters. 750 watts. Henry Birks & Sons, Ltd.

CFCO, Sakatoon, Sakk., Can., 329.5 meters. 50 watts. Thorold Radio Supply. Daily ex Sun, 12-12:30 pm; 5-6. Tues, Thurs, Sat, Sayo-10:30 pm. Sun, 11 am, church service; 2-4 pm, 8 pm, sacred concert, music. CFGC. Sakatoon,

Slogan, "The Hub City of the West Where No. 1
Northern Hard Wheat Grows." Daily ex Sun, 12:15-2
pun, markets, reports, music. Fri. 9-11:30 pun, dance
program. Sun, 11 am, church service. Mountain.
CFRC, Kingston, Ont. Can. 450 meters. 500 watts.
Queen's University. Discontinued temporafily.
Gwest University. Discontinued temporafily.
Westminster Trust Co. B. 291.1 meters. 20 watts.
Westminster Trust Co. B. 291.1 meters. 100 watts.
Chromoer, F. Sterling. Slogan: "Vote Been Fraser
River." Mon, Wed, Fri. 7:30-8:30 pm. Pacific.
CFYC, Vancouver, B. C. 410.7 meters. 100 watts. Commercial Radio, Ltd. Slogan. "Canada's Flourishing
Young City."
CHBC, Calgary, Alta., Can. 434.5 meters. 750 watts.
The Calgary Albertun. Daily ex Sun, Sat. 6-6:30 pm.
CHCM. McCormiek, Ltd. Slogan. "Western Canada's
Riley & McCormiek, Ltd. Slogan." "Western Canada's
Leading Leather Goods Store." Trurs, 8-9 pm. Mountain.
CHCS, Hamilton, Ont., Can. 340.7 meters. 100 watts.
Hamilton Spectator. Announcer, H. Earnshaw Daily
ex Sun, 6:45 pm., news, markets, baseball. Sat,
10-12 midnight, dance. Sun, 11 am, 7 pm. Eas:ern.
CHC, Toronto, Can. 366.9 meters. 500 watts. Northern
State Trust. 9-11:30 mm. Alternate Mon.
Last Sat in month, 9-11:30. Eastern.
CHNC, Toronto, Can. 356.9 meters. 500 watts. Trust. 9-11:30 mm.
Last Sat in month, 9-11:30. Eastern
CHNC, Toronto, Can. 356.9 meters. 500 watts. Trust. 9-11:30 mm.
Last Sat in sonth, sake, Can. 329.5 meters. 200 watts.
CHUC, Sakatoon, Sask., Can. 329.5 meters. 200 watts.
CHUC, Sakatoon, Sask., Can. 329.5 meters. 500 watts.
International Bible Students' association. Announcer,
CHUC, Ottawa, Ont., Can. 434.5 meters. 200 watts.
International Bible Students' association. Announcer,
CHUC, Sakatoon, Sask., Can. 329.5 meters. 500 watts.
International Bible Students' association. Announcer,
CHUC, Sakatoon, Sask., Can. 329.5 meters. 500 watts.
International Bible Students' association. Announcer,
CHUC, Montreal, Que, Can. 410.96 meters. 500 watts.
International Bible Students' association. Announcer,
CHYC, Contaw

Community Voice of Canada's Capital." Tues, 8-10 pm. Sun, 7 pm, services; 9, sacred concert. Eastern. CKCX, Calgary, Alta., Can. 434.5 mcters. 750 watts. P. Burns & Co., Ltd. Tues, 9-10 pm, music, lectures. Mountain.
CKFC, Vancouver, B. C., Can. 410.7 meters. 50 watts. First Congregational church.
CKLC, Calgary, Alta., Can. 434.5 mcters. 50 watts. Wilkinson Electric Co., Ltd.
CKNC, Toronto, Ont., Can. 340.7 meters. 50 watts. Canudian National Carbon Co., Ltd.
CKOC, Hamilton Ont., Can. 350.9 meters. 500 watts. Wentworth Radio Supply Co., Ltd. Announcer, H. Slack. Slogan: "In the Garden of Canada" Mon. Wed, Fri, 8-9 pm, music entertainment. Sun, 7-8 pm, church services. Eastern.
CKY, Winnipeg, Man., Can. 384.4 meters. 500 watts. Manitoba Tel. System. Announcer, D. R. P. Coats. Slogan, "Manitoba's Own Station." Dally ex Sun, 12:30-1:30 pm, nusic, lectures, markets, weather, etc.; 4-5, concert: Tues, Fri, 8:30 pm, lecture; 8:45-10:30, concert. Thurs, S. Canadian Nat. Railways concert (CNRW). Announcer R. H. Roberts. Sun, 7 pm, church services. Central.
CNRA, Moncton, N. B., Can. 312.3 mcters. 500 watts. Canadian National Railways. Slogan, "Maritime Radio Station." Tues, Fri, 8:30 pm, bedtime stories; 8, markets; 3:30-1130, music. Lectures, markets, weather, etc.; 4-5, concert. Tues, S. Canadian Nat. Railways. Mountain. Canadian National Railways. Wed, 9 pm. Canadian National Railways. Wed, 9 pm. Canadian National Railways. Fri, 7:30-8 pm, 8:30-10:30, Mountain.
CNRE, Edmonton, Alta., Can. 316.9 meters. 500 watts. Canadian National Railways. Wed, 8:30 pm, Eastern dyight.
CNRC, Calgary, Alta., Can. 312.3 meters. 500 watts. Canadian National Railways. Tues, 8 pm, Mountain. CNRR, Regina, Sask., Can. 312.3 meters. 500 watts. Canadian National Railways. Tues, 8 pm. Mountain. CNRR, Regina, Sask., Can. 312.3 meters. 500 watts. Canadian National Railways. Announcer, A. W. Ryan. Wed, 8:315, Double Markets, bedtime story; 8:30, pm. 10:30. Eastern. CNRV, Vancouver, Can. 410.7 meters. 500 watts. Canadian National Railways. Annou

ABC, Vina del Mar, Chile. 400 meters. Radio Corp. of Chile. CRC, Santiago, Chile. 460 meters. Radio Corp. of Chile. Valparaiso, Chile. Senor Placi do Munzo Rojas.

#### China

Hongkong, China. Hongkong Hotel Company. Hongkong, China. Badio Communication Co. Macao. China. Portuguese Station. Shanghai, China. The Evening News.

#### Cuba

PWX, Havana, Cuba. 400 meters. 500 watts. Cuban Telephone Co. International Tel. & Teleg. Corp. Wed, Sat, 8:30-11 pm, music. Eastern. Q2LC, Havana, Cuba. 250 meters. 50 watts. Luis Casas. 2AB, Havana, Cuba. 240 meters. 20 watts. Alberto S. Bustamante. 2BY, Havana, Cuba. 300 meters. 100 watts. Frederick W. Borton.

(The above listings complete the stations in the United States and part of the foreign broadcasters. Part V consists of a complete location index of stations and the remainder of the foreign list. This appears next week.)



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