Regular schedule of WJAM, The Evening Gazette-Iowa Railway and Light company radiophone station (wave length, 268, D. M. Perham, engineer). market reports, daily except Sunday, 10, 11:30 and 1:30; Story Hour, conducted by Miss Blanche Loomis, Tuesday, Thousaday and Saturday, 6 to 6:30; other programs to be announced. (Central standard time.)

# Remarkable Radio Tests Made In Cleveland Show Harm Done By Radiating Receiver Sets

Radio Press Service.)-Radio has entered the New Year with one of its biggest problems still unsolvedhow to eliminate interference from radiating receiving sets.

George Washington was the father of his country and Abraham Lincoln saved, it. Marconi may appropriately be referred to as the Washingcon of radio, the man who can sug-

rom receiving sets will be the Lin coln of radio

Thousands of radio users do not require any special tests to inform them about the evils of radiation from oscillating receivers, but they, in common with all radio fans, will be interested in the tests recently renducted by the Cleveland Plain Dealer over station WTAM, Cleveland, as a part of the interference any undertaken in co-operation with the Cleveland Radio association. Squeals started deliberately in leveland for test purposes were non. Squeats started democrately in leveland for test purposes were heard over one-quarter of the American continent. They were picked up clear to the Atlantic coast, and as far southwest as Texas.

Squeals Covered Wide Area. Even after Harry A. Mount and Deane S. Kinter of the Plain Deal-er's radio staff had eliminated the

reports of persons who, in addition to their regular radio equipment, had used "two stages of imagina-tion," the authentic reports clearly established hed the tremendous which radiating rec

established the tremendous area over which radiating receivers spread interference.

In the first test, they report, those listening in to the station were asked to divide into two groups, according to the alphabetical order of their names, and each group in turn was asked to put its sets into oscillation for a three-minute period, while the other group listened. This was only within the city of Cleveland and its suburbs, however. All listeners outside that territory were asked to report on what ritory were asked to report on what

ritory were asset to loss they heard
The second test held a week later, was designed to check the results of the first. In this test three radiating receivers were "planted," one on the east side of Cleveland, one on the west side and one in Akron. Each was provided with a me-

to squeal at regular intervals, about once a second. Listeners both in Cleveland and at a distance were asked to report on what they heard. In all more than 2,000 reports on the two tests were received from all over the continent, and one ever

came from South America. A persual of these letters indicates pretty clearly that both tests were heard and identified over an area equal to about a quarter of the United States. The first test was cest how to eliminate interference heard with greater volume than the rom receiving sets will be the Lin second, where only individual oscillators were used, and more reports. Thousands of radio users do not from a distance were received on

> to the contrary, the paper was sell a little skeptical that a radiating receiver could produce a wave which could be heard several hundred miles away. It thought that perhaps listeners all over the country had misunderstood instructions and had put their sets in oscillation so that the disturbance was not only confined to Cleveland but in a lesser degree to all of the area from which reports were received.

> Second Test Most Valuable. It was for the purpose of checking this that the second test was made. Because the signal could be positively identified, the second test was, from a scientific viewpoint, probably the more valuable of the

## WJAM TONIGHT

story hour, Blanche 6-6:30. Leomis.

7-7:30, trio of Roosevelt lunior high students, Maurine Hambline, pianist; Arthur Meyer, cel-Lester Baldwin, violinist, ram arranged by Miss. Verna Keefe, Roosevelt's director music.

8.9, Múrray Family orchestra 9-10:30, Guy Clark's orchestra, broadcasting from Dreamland ballroom.

# A HOME WELL SUITED FOR CITY BUILDING



### THE IOWANA

Home building in congested or built-up sections of any city presents problems not found in other localities. Footage is usually high in and hazards from fire and obso- the builder. lescence are multiplied. Compactness and omission of all unessential de- fires started within can be confined

tails are required Unpretentious, yet possessing an attractiveness which neighboring conditions can not depreciate, this tional protection from fire assured. small home is well suited for the home builder who erects his home

thered through the use of concrete (Courtesy Portland Cement Association.)

END OF

1908

1910

1912

35,835.96

block covered with portland cement stucco Concrete tile might be used also. This combination of concrete products makes the ideal building material for the city home. Such construction is proof against the ravages of the elements, materials are to be found close at hand and at price, houses closely flank your lot, prices which are most attractive to

Such construction will not burn, to one room. When the roof is composed of concrete tile the beauty of the home is enhanced and addi-The Building Department Editor of this paper can advise readers interested in the above home where complete plans and specifications may be obtained at nd specification nominal cost.

No. 2 in Lakewood, was loud, had a sort of "double shuffle" effect in city like Cleveland, where almost its beats, but broke cleanly and was reception by other sets tuned to the reception by other sets tuned to the



#### TWO PROGRAMS ON WJAM TOMORROW

The Saron English Lutheran choir will join the choir of Grace Episcopal church in singing the Christmas a little faster than one beat per second

No. 3 was weaker than the others, even to listeners equidistant from the three, was less regular in its action, somewhat slower than "the others and did not break cleanly but rather sounded like a variation of a continuous whistle.

All three of the radiating sets were heard clearly by listeners in Cleveland and within a radius of about fifty miles of the city. Again the paper received abdut a 1,000 letters reporting on the test, but this large reporting on the test, but this reception by other sets tuned to the same wave, all over the city.

What shall' be done about intergrace church Sunday through station will be writer does not know, but the accumulated evidence which in the accumulated evidence which in dicates that such interference is the most serious problem of radio reception today.

If YOU are not interested in saving money and becoming prosperous, the classified ads are not intended to the same wave, all over the city.

What shall' be done about intergrace church Sunday through station will will be on the air between 5:30 and 6:30. William Evans is director of the Grace choir.

The vespers from T. M. Sinclair Memorial chapel, Coe college, will be broadcast on WJAM at 4 to ing money and becoming prosperous, the classified ads are not intended to the same wave, all over the city.

The vespers from T. M. Sinclair in the classified ads are not intended to the same wave, all over the city.

What shall' be done about intergrace the continuous will be on the air between 5:30 and 6:30. William Evans is director of the Grace chor.

The vespers from T. M. Sinclair in the classified ads are not intended to the same wave, all over the city.

The vespers from T. M. Sinclair in the combined saron will be broadcast by remote control from Grace church Sunday through station of the combine will be on the air songs and other numbers, to be

# the following program, they have been directed broadcast the following program, for which they have been directed by Mr Evans. Hymn, "Brightest and Best of the Sons of the Morning" (Harding) Versicles and Responses, Fostal—

Versicles and Responses, Festal—
(Tallis),
Psalter, 34d Psalm (Barnby)
Oloria in Excelsis (Redhead).
Magnificat (Slinper)
Nuno Dimittis (Slinper)
Cerdo (Redhead)
Carol, "The Holy Methor Sings"—
fourteenth century (Rhys Herbert)
Hymn, "Adesto Fieldles" (Cantus Diversi)

vorsi)
There will be several extra numbers by the choir and the soloists which will be announced during the broadcasting.

# WOC To Open New WOC To Open New Station Formally On Monday Night DAVENPORT, Jan. 10.—The formal opening of the new radio broadcasting station WOC here, will be observed Monday wight. WOC To Open New Station WOC here, with the observed Monday Night. 346, KDRA (303) Pittsburgh, concert. 4.0, WHAM (316) Detroit, concert. 4.5, WHAM (316) Detroit, concert. 6.6, WEAH (316) Detroit, concert. 6.7, WPAM (323) Pittsburgh, concert. 6.7, WPAM (323) Pittsburgh, concert. 6.7, WPAM (323) Pittsburgh, services. 6.7, KPAM (316) Detroit, services. 7, KPAM (316) Detroit, services. 10, WPAM (317) Detroit, services. 10, WPAM (317) Detroit, services. 11, WPAM (317) Detroit, concert. 12, WPAM (317) Detroit, concert. 13, WPAM (317) Detroit, services. 13, WPAM (317

be observed Monday night, with broadcasting of the program by the

broacasting of the program by the Tri-City Symphony orchestra a 8 o'clock.

This organization of sixty pieces is conducted by Ludwig Becker of Chicago and under his direction has been developed in the last few years

## ON THE AIR TOMORROW

(Courtesy Radio Digest, By Associated Press, All Central Time.)

a, ni., WOC (488) Davenport, chimes.

WOAW (522) Omaha, chapet.

H. KGW (482) Portland, services.

WGY (388) Schendetady, symphony. 9 a. m., WOC (498) Davenport, chimes.
9, WOAW (622) Omaha, chapel.
1043, KDKA (326) Pittsburgh, services.
11, KTHS (375) Hot Springs, services.
11, KTHS (375) Hot Springs, services.
11, WHO (622) Des Moines, services.
11, WHO (622) Des Moines, services.
11, WOI (360) Ames, chapel
12:30 p. m., KOA (323) Denver, services.
1, WOC (498) Davenport, orchestra.
1;30, KDK (323) Pittsburgh, concert.
2; WTAS (286) Eigin, concert.
2; WTAS (286) Eigin, concert.
2; NTAS (286) Eigin, concert.
2; NTAS (280) Schenectady, symphony orchestra, vocal.
3, KBKA (320) Pittsburgh, organ.
3, KFNF (206) Shenandoah, men's gospel tesim. a, WCBB (345) Zion City, chorus, trio.

chestra. 8:30, KOA (323) Denver services 8:30, KIII (395) Los Angeles, concert. 8:30, WCAI. (360) Northfield, sacred program. 9, WHAA (498) lows City, familiar

p, KFDM (506) Beaumont, secred concert. W(IN (378) Chicago, soloist, ensemble. WEAA (476) Dellas, sacred recital KNX (337) Hollywood, services. KFI (469) Los Angeles, stage acts KFSG (218) Los Angeles, inusic sermon.

mon 9, WHN (368) New Tork, entertainers, 9, WOAW (522) Omaha, nuelcal service, 9, WGV (389) Schenectady, quartet. 115, WCCO (417) Mpls., classical pro-

RERM
9:138, WFAA (476) Dallas, orchestra.
9:138, WFAA (476) Dallas, orchestra.
9:138, WOM (498) Davenport, musical.
9:38, WOM (585) San Antonio select
100, KNX (537) Hollywood, concert
10, KFI (160) Los Angeles, play
10, KHJ (585) Los Angeles, music.
10, WHN (586) New York, Vanity club
10vu.

iovu.

10:30, KPO (423) San Francisco, concer

11:12, WBAP (476) Ft Worth, froite

11: ENX (337) Hollywood, features.

11: KFI (488) Los Angeles, orchestra

11: WHN (300) New York, entertainers

12: KFSG (378) Los Angeles, organ.

club. -9, WEBH (370) Chicago, special pro-Fram. :13-8:45, WFAA (476) Dallas services. :20, WCCO (417) Mpis., services. :30, WSB (420) Atlanta, services. :30, WOS (411) Jefferson City, serv-

pel tesin. :46, KDKA (326) Pittsburgh, vespers.

Romano's orchestra.

9:36, WTAS (286) Elgin, Kimball studio hour.

10-1 a. m., KOA (323) Denver, Joe Mann's dance orchestra.

11. WOU (498) Davenport, Leclaire orchestra; Peter MacArthur.

11:15, WOAW (522) Omaha, Wowl frolic.

11:15-1, WDAF (411) Kansas City, Nighthawk frolic.

12. WLS (345) Chicago, WLS stuff frolic.

12. KYW (535) Chicago, Congress hotel carnival.

Call Books.

The Department of Commerce publishes annually a list of licensed publishes annually a list of licensed allert Bouchard, well known pipe of service furnished ownership and schedule of operation. All licensed amateur transmitting stations are listed in a seperate call book. Both books can be obtained from 'the government printing office, Washington, D. C. A radio Service bulletin is issued monthly by the Bureau of Navigahole from the strength of the fame he attended through radio.

Administration and control of manifold in Canada is vested multiple and for the Commerce and the first and the control of the

# SUAIR

# **INSURANCE COMPANY**

# **Your Home Company**

FINANCIAL CONDITION December 31, 1924

## **ASSETS** First Mortgages on Farm Lands .....\$1,794,873.00

Premium Notes and Policy Loans ........... 375,346.40

Municipal Bonds, Liberty Bonds, and W. S. S....

Cash in Banks and Office .....

Other Ledger Assets	28,293.58
Interest Accrued	<b>55,687.15</b>
Net Uncollected and Deferred Premiums (Reserve Charged in Liabilities)	36,475.91
GROSS ASSETS	2,336,132.81
Less Assets not Covered by Reserve	37,118.34
Net Assets	\$2,2 <del>99</del> ,014.47

# LIARILITIES

LIADILITIES	
Legal Insurance Reserve	\$1, <b>99</b> 3,589 <b>.</b> 00
Reserve for Special Benefits and for Policy	
Dividends	
Surplus to Policyholders	233,564.95
Total for Protection of Policyholders	2,274,548.65
Tax Reserve	
Other Liabilities	
Total	2,299,014.47

**Under Strict Supervision of the** State of Iowa

A STATE OF THE PROPERTY OF THE PARTY OF THE

# **CEDAR RAPIDS, IOWA**

"As Good and Strong as the Strongest"

PREMIUM INCOMB

### GROSS ASSETS \$53,106.27 \$142,741.60 **\$237,351.38 \$**366,655.33

1914 1916

\$70,010.00 \$93,943.00 < \$136,225.00

\$3,289.00 \$37,031.00

#### END OF \$05,000.00-; \$1,120,495.00 1908 1910

# INSURANCE IN FORCE

\$2,154,370.00 \$3,004,245.00 \$4,612,580.00 \$5,766,062.00 \$7,700,619.00 \$12,421,688.00 \$14,800,070.00 **\$16.544.009.00** 

# RECORD FOR YEAR 1924

Net Increase \$290,196.06. Logal Liability on Business in Force ...... Covered by Interest Bearing Securities Deposited with State Insurance Department 2,010,258.95 Paid to Policyholders during the Year in 372,697.21 Cash and Reserve Addition ..... Paid to Policyholders Since Organisation in 

# **Officers**

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C. B. Svoboda Secretary

Glenn M. Averill Vice-President

Ernest R. Moore

Jay G. Sigmund Vice-President

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