RADIO BROADCASTING NEWS

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 [illegible] by Miss Blanche Loomis, Tuesday, Thursday and Saturday 6 to 6 30 other programs to be announced (Central standard time.)

VARIETY KEYNOTE OF WJAM FOR THURSDAY

Morning Service, Christmas Music By O'Hara, Cornet Solos And Readings By Forster, On The Air.

Besides the morning service to be broadcast at 11 o clock from the Trinity Lutheran church, Radiophone WJAM has arranged a well balanced evening program to entertain its listeners on Christmas.

Ralph O Hara, popular radio entertainer, will sing a special Christmas musical program He will go on the air at 7:30, one hour later than usual There will be no Story Hour tomorrow. Mr O Hara will include old English carols, sacred numbers and hymns in his selections. Gladys Tufts will be at the piano, and will give one solo number

David Forster and his sister, Miss Gertrude Forster, will entertain from 8 to 9 The Dreamland dance music will be omitted. First on the Forster program will be a group of four cornet solos by David Forster, accompanied by his sister. The first two numbers will be compositions of David s father, the Rev M Forster, 702 Third avenue west. Selections from "Princess of India and "Grand Russian Fantasia" (Levy) will conclude the musical offering.

Those who heard young Forster give Kipling's "Boots" and Service's "Shooting of Dan McGrew" from WJAM recently, will be pleased to learn that he will give two readings at the conclusion of his cornet solos. He has chosen Kipling's "Gunga Din" and the famous baseball epic, "Casey at the Bat" to give the "radiophane" this time.

ON THE AIR

CHRISTMAS DAY.
(Courtesy of Radio Digest)
(By Associated Press)

(Silent night for KSD, WCX, WHAZ, WHO, WOS, WTAM, WWJ.

12 noon—WSB (420) Atlanta, Christmas day program

12:30 p. m.—WEAA (476) Dallas, music

12:30—WTAS (286) Elgin, Kimball hall frolics.

2—WHB (411) Kansas City, ladies' hour

3—WCAE (462) Pittsburgh, special Christmas concert.

4—WHAS (400) Louisville, orchestra.

5—WMC (500) Memphis, St. Peter's Catholic church program.

5:30—WCAE (462) Pittsburgh, dinner concert.

6 to 12—CFAC (430) Calgary, special party

6-7—WDAF (411) Kansas City, school of the air

6—WCCO (4:17) Minneapolis, concert.

6—WTAS (286) Elgin, Terrace Garden dance program.

6:30-8—WLS (345) Chicago, musical program.

6—WOAW (526) Omaha, Christmas dinner program.

6:30—WCAE (462) Pittsburgh, Uncle Kayhee.

6:30-8—WKAQ (360) Porto Rico, concert.

6:45—WTAY (283) Oak Park, musicals.

6:45—WGY (380) Schenectady, book review

7—WHK (283) Cleveland, concert.

7WEBH (370) Chicago, Orioles, tenor, features.

7—WGY (380) Schenectady, Christmas Cantata, "The Hope of the World."

7:30—WBAP (476) Fort Worth, program.

7:30—WHAS (400) Louisville, Blue-Grass Serenaders

7:30—WCAE (462) Pittsburgh, Christmas concert

7:30—WRBC (278) Valparaiso, Christmas cantata.

8—WSB (428) Atlanta, orchestra.

8—KYW (536) Chicago, "Twenty Minutes of Good Reading"

8—WQJ (448) Chicago, Christmas musical.

8—KNX (337) Hollywood, Christmas programs

8—WHAA (484) Iowa City Christmas music

8-10—WHB (111) Kansas City, Christmas program.

8—WCBD (345) Zion City, Special program

8:20—KYW (536) Chicago musical

8:30—WFAA (476) Dallas, McDowell sisters with Hawaiian music

8:30—WMC (500) Memphis, concert

9—KFI (169) Los Angeles, children's Christmas party

9—WOAW (526) Omaha, Christmas night program.

9—WEBH (370) Chicago, Orioles, xmas season, soloists

9:30—WBAP (476) Fort Worth, Fred Warner's talking guitar

9 30—WTAS (286) Elgin, Kimball studio hour

10-11:30—KYW (536) Chicago, "at home" evening

9 30—WJZ (455) New York, orchestra

10-12—WLW (423) Cincinnati, orchestra, others, soloists Christmas music.

10—KFI (60) Los Angeles, Christmas carols

10—WCCO (417) Minneapolis, orchestra

10—KGO (312) Oakland, Christmas program

10—KPO (423) San Francisco, Christmas program

10.30—WOY (380) Schenectady or Bust

10 30—WTAS (286) Elgin, supper dance program

10 45—WSB (429) Atlanta, Christmas program

11—WFAA (476) Dallas, orchestra.

11—KFI (469) Los Angeles, orchestra.

11—WEBH (370) Chicago Orioles, barnie e enterta ners late show

11 30—WTAS (286) Elgin Stars of Blair Jane chestra

11:45-1 a m —WDAF (411) Kansas City, nightowls

12—KNX (337) Hollywood orchestra

12—KFI (469) Los Angeles vaude artists

12—KGO (312) Oakland orchestra,

12—KPO (423 San Francisco band

12 55 a m—KFOA (455) Seattle, orchestra

FEATURES TONIGHT

6:35—KSD (546) St. Louis Abergh's ensemble.

7—KYW (536) Chicago, Congress hotel program.

7:30—KYW (536) Chicago, Duncan sisters studio program

7:30—WHO (526) Des Moines Christmas program

7:30—WCX (517) Detroit music cale

7:30—WBAP (476) Fort Worth Sam Losh and artists

7:30—WHAS (400) Louisville K and I Terminal R R orchestra

8—WOC (498) Davenport program for children Soldiers Orphans home.

8—WDAF (411) Kansas City, special Christmas program

9-10—WEBH (370) Chicago Orioles guitarists entertainers

10—WOC (498) Davenport special Christmas eve program.

10—KTHS (375) Hot Springs, Christmas carols, dance music

12—KSD (546) St Louis mid night mass from Old St. Louis cathedral

THE RADIO MANUAL

BY
ORRIN E. DUNLAP, JR.
Radio Editor of the New York Times.

(Continued From Yesterday)

How To Charge A Battery

Charging is injecting electrical energy into a battery The standard measure of energy put into or taken out of a battery is in terms of ampere-hours. A flow of ten amperes maintained for eight hours, amounts to eight ampere-hours. A battery is so connected in the charging circuit that during charge current will flow from the positive terminal of the generator to the positive terminal of the battery. Since the generator develops higher voltage than the battery, it is able to overcome the pressure of the latter and force current to flow in the direction opposite to that in which the battery pressure would direct it Electric current always flows from higher potential, or pressure, to lower, just as water flows from a higher to a lower level

A battery is not fully charged until the acid is out of the plates and into the solution, which means that further charging can not raise the specific gravity of the electrolyte. The vent caps should be removed and left off while the battery is being charged

If the battery refuses, on a continued charge, to come up to the required specific gravity but gases freely, there is probably insufficient acid in the electrolyte. The battery should be taken to a service station, because this job requires the attention of a battery expert Seldom is it necessary to add acid unless the electrolyte has been spilled. Gases evolved during charging carry only a minute portion of acid out of the cells. This loss is so small that it is of practically no consequence during the battery's life.

The "C" Battery

When a high plate voltage is used on some audio amplifier tubes distortion often occurs A "C" or grid battery will relieve this trouble A "C" battery is a small dry battery generally flashlight cells giving about 4½ volts whose negative terminal is connected to one side of the audio transformer secondary The other terminal of the transformer connects directly with the grid and the positive side of the C battery connects with the negative terminal of the A" battery If over 120 volts are used on the plate the "C" battery should be from 6 to 9 volts

The C battery is also known as the grid bias battery The current capacity of such a battery is very low and the drain on it is infinitesimal A good C battery properly installed will function from eight months to a year The use of a "C battery is not dependent on the type of receiver or on the method of tuning because it is employed in the audio frequency unit It may be used in connection with any type of vacuum tube regardless of type

The chief duty of a 'C battery is to clarify the signal and minimize distortion However the C battery can not cure distortion caused by a poor audio frequency amplifying transformer or by excessive regeneration Distortion created by overloading the amplifying tube can not be clarified by a "C' battery

It has been observed by operators of audio frequency amplifying units that the amplifier works to perfection on weak signals, but distorts strong signals By reducing the brilliancy of the filament the strong signals are clarified, but some of the intensity is lost A C" battery clears up the strong signal and does not decrease the intensity

(Continued Friday)

Plenty of Material.

"Can't you and your husband patch up that old quarrel?"

What s the use of patching up an old quarrel? We can easily arrange for a new one.

Pageant At WOAW Christmas Morning

OMAHA, Dec 24—A Christmas pageant, From Prophecy to Manger, will be presented from Radio WOAW here, Christmas morning starting at 9 o'clock The Hanscom Park Methodist choir will be assisted by the West Sisters string quartet and vocal soloists in presenting the pageant.

A Christmas dinner program arranged by Stanley Jan Letovsky formerly of Cedar Rapids will be broadcast at 6 p m WOAW will conclude its Christmas day offerings with a Christmas night program at 9 p m.

DOLLS FOR CRIPPLES.

SHELLSBURG, Dec 24.—Young women of the Presbyterian Sunday school class made twelve dolls for the crippled children at Perkins hospital, Iowa City Mrs. W M. De Foe was in charge of the work.

Getting Into Line.

"Old man, you employ 300 people. Sanitary drinking cups are the ones for factory and office use."

All right' Order one."

GAZETTE FARM NEWS

RESULTS OF TIPTON EXHIBIT ANNOUNCED

Poultry, Corn Show Prizes Are Awarded; Three Day Event Success Despite Cold Weather.

Special to The Gazette.

TIPTON, Dec 24.—The bad weather and cold last week hindered all public meetings in Cedar county and affected, perhaps more than any other schedule, the three day institute and corn show which was put on by the farmers and merchants in and near Tipton

However in spite of the handicaps, there was a good exhibit of first class poultry and close competition was enjoyed in many instances. The corn show this year was not so good, since the crop in general was far below the average and many folk hesitated to bring out the inferior material they were forced to retain as seed this year

The school corn show was a good contest and the cups are being awarded this year in schools which have never before had them Some schools in the county have already had the cups which are farm bureau awards for two years and the ruling is that the third winning entitles the school to permanent possession.

It was interesting to note also the fine winnings which were made in the poultry entries by young folk who belonged to the poultry club last year and who exhibited their club birds at this time Junior Furnish, Vernon Lamp, Lester Thein, Delores Hartley and several others were in this group.

It is hoped next year that more of these enthusiastic folk will bring out their club exhibits. The institute committee will arrange a special class for them with cash prizes.

The corn exhibits were judged by Bert Neil of Mount Vernon, as follows:

School Corn Show.

Loving cups awarded in each class by Cedar County Farm bureau.

High school class, Springdale.

Grade school class, Mechanicsville.

Open classes in school corn show (prizes awarded by institute)

Ten ear samples by school students: first, Robert Agne, second, Milo Agne, third, Leora Kreinbring, fourth, George Washam, all of Tipton

10 EAR SAMPLE OPEN CLASS YELLOW CORN

First, Forest Ford, Tipton second, George Mellicker, third George Agne, Tipton fourth Fred Luikart.

SINGLE EAR OPEN CLASS.

First, Forest Ford, second, George Mellicker, third, Robert Laing

10 EAR SAMPLES OTHER THAN YELLOW

First, Fred Agne, second, Forest Ford, third, Robert Laing

LARGEST EAR

First, Raymond Spencer, second, Fred Challis; third, Forest Ford.

30 EAR OPEN CLASS.

First, Forest Ford, second Robert Laing; third W Woods, fourth, George Washam; fifth, Fred Challis.

PECK OF OATS.

First, Forest Ford, peck timothy, Forest Ford, peck clover, Forest Ford.

Poultry Results.

William Lapp of Ames, judged the poultry as follows:

Jersey Black Giants—First pullet, A. H Alberts, Tipton, first cockerel, A. H. Alberts, second, Chas Reid; first pen, A. H Alberts, Tipton.

Silver Spangled Hamberg — Pullets, first, second, third, George Taylor, Tipton

White Leghorns—Hens, first, second, third George Washam, pullet, first, Chas. Reid, cockerel, first, M A. Crary; second, Chas. Reid; pen, first, Vernon Lamp.

Buff Leghorn—Pullet, first, Leonard Dice cockerel, first, Leonard Dice

Ancona—first cockerel, Lester Thein, Tipton first pullet Robert Laing Tipton, second, Lester Thein Tipton cockerel, first, Lester Thein, second, Lester Thein third, O France

White Wyandottes—First hen, first pullet, first cockerel, first and second pens, Chas. Reid.

White Langshans—First pen, George Taylor

Silver Laced Wyandotte—First cock, Tom Mahoney first cockerel, first, second, third pullet, first second hens, first, second pens, M A Crary

Buff Orpington—First cock, first, second and third fourth hen first, second, third fourth pullet, Mrs. M S. Spencer Tipton, first cockerel Delores Hartley second, Mrs. M S Spencer, first pen, Mrs. M S. Spencer

Buff Rock—First and third pullet, W W Woods second Robert Laing first cockerel Robert Laing

White Rock—First cock, B N Stephenson, first, second, third cockerel De James Dixon

Barred Rock — First, second third hens, George Washan first second third pullets, De James Dixon first, second cockerel M Straub third Junior Furnish first pen Junior Farmer second George Washam

Pair of Turkeys—Leonard Dice, Tipton

Pair of Geese—First Leonard Dice

Trio Ducks—First, Leonard Dice second and third Forest Ford

Pigeons Pair—Powder fantail brown Chas Reid English Laurence Waring

Rose Comb Reds — Cockerel, H P Agne, Tipton

Single Comb Reds—First cockerel M. A Crary, second Mrs Fred Agne third, Mrs Forest Ford first hen M A Crary second and third Ha s Agne first third cockerel B N Stephenson, second Mrs. Forest Ford first, second third pullet B N Stephenson first pen, Mrs Forest Ford, second M A. Crary, third, Mrs Fred Agne

PARIS—Automobiles suffered the brunt of increases in duties provided by the new tariffff bill affecting nearly every commodity except foodstuffs imported into France.

Sure Relief FOR INDIGESTION

6 BELL-ANS Hot water Sure Relief

BELL-ANS

25¢ and 75¢ Packages Everywhere

FARM BUREAU MEETING AT NEWHALL ON JAN. 5

NEWHALL, Dec. 24.—A county wide meeting of the farm bureau members of Benton county will be held at the opera house in Newhall January 5 The program for the day includes a talk by Dr. K. W. Stouder, extension veterinarian, and an authority on livestock diseases. He will discuss swine management from the standpoint of the McLean county system of swine management, demonstrations on which are being established in Benton county. Other features on the program will be a talk by Beulah Stevenson of Cedar township who will describe her trip to the Chicago International Livestock show, and a talk by Mrs. Laura Wehrman of Luzerne who will tell about the county agents' conference at Ames Reports on home project work will be given by Mrs. M D Fry and the county agent will give a report on the work for the last year Ratification of the election of officers chosen and resolutions passed at the meeting December 12 will also be a part of the program.

This meeting will give the folk on the south slope an opportunity to attend an annual meeting

ON VACATION

C. P. Streeter, farm editor of The Evening Gazette, is taking a week's vacation at his home in Groton, S. D. During his absence, farm news will be somewhat limited but correspondents and others are asked to continue to send items of interest for publications.

LINN FARMERS TO ENTER CORN SHOW

Linn county is one of the sixty-three in Iowa whose corn growers will have a chance to compete during the State Corn and Small Grain show at Iowa State college Feb. 2 to 7 for a special county trophy cup.

The corn show, staged by the Iowa Corn and Small Grain Growers association, is the largest state show of the kind in the country. About 12,000 ears of corn were exhibited last year and an equal or larger number is expected this year The show is to be housed in the mammoth new armory at the college. Besides corn the exhibits will include small grains and other farm crops and seeds.

Information about the show and a catalog of the classes and rules can be obtained from J L. Robinson, secretary of the association, Ames. The donors, the class for which the trophy is awarded and the winners of the county trophies in past years, who are not eligible for further competition, follow:

Security Savings Bank, Cedar Rapids 10 ear class, won in:
1916 by W. T. Jack, Lisbon.
1917 by W T. Fawcett, Mount Vernon
1918 by Clifford Fawcett, Mount Vernon
1919 by B. H Neal, Mount Vernon
1923 by John R. Mitchell, Marion
1924 by Agnes M Dougherty, Cedar Rapids.

START CATTLE TEST IN BENTON TUESDAY

VINTON, Dec. 24.—According to present plans, testing of cattle on the accredited area county plan will start in Benton county next Tuesday. Dr W. C. Stewart has been appointed by Mark Thornburg, secretary of agriculture, as inspector in charge of the work. Accredited veterinarians in Benton county will be used in this work as fast as money becomes available.

The work will begin in Harrison township. Dr. Stewart plans to test a school district at a time. About twelve herds or one hundred and fifty cattle constitute a day's testing. A meeting of the cattle owners in Harrison township will be held Monday evening, in Township hall for the purpose of planning the work in that township. Every cattle owner in Harrison is urged to be present at this meeting in order to make complete plans for the work.

A meeting of the County Tuberculosis Committee including J. E. McMillian, chairman, George Schnoor, A. G. Mowbray, Dr. E. A. Buxton, and the board of supervisors was held at the court house Dec. 16. Mark Thornburg, Dr. J. A. Barger of the Federal Bureau of Animal Industry and Dr. Stewart were present at this meeting and outlined the plan of work. Mr. Thornburg explained that the amount of state money available for tuberculosis testing in Benton county would be $4,907.44. The federal government will duplicate the money paid out of this fund for indemnity on cattle. It is estimated that the total amount of federal and state money will equal $9,000. Accredited veterinarians residing in this locality will be used in the work as fast as funds become available. If they so desire they can work before April first, but will have to wait for their salary until the county money becomes available in April.

Dr. Stewart comes to Benton county with the best of recommendations from the department of agriculture. He has just finished cleaning up Wapello county where he started a year ago. Wapello county is now on the modified accredited area basis. They had less than one per cent reactors on the first county-wide test. It is probable that Benton county will have to make two county-wide tests before it can be accredited.

BENTON COUNTY YOUNG FOLK TO SHORT COURSE

VINTON, Dec. 24.—A number of Benton County club boys and girls will attend the junior short course at Ames, Dec. 29 to Jan. 2. Great preparations are being made for their entertainment. It is anticipated that in the neighborhood of seven hundred club members will attend this short course Interesting educational programs have been arranged for both boys and girls.

Benton county's delegation to the junior short course will include Kenneth Christiansen of Norway, winner of second prize in the Baby Beef club at the county fair and a free trip to the short course, Francis Van Duesen of Van Horne, winner of second prize in the Sow and Litter club Luella Schlotfelt of Mount Auburn, winner in girls club work, Grace Farris of Cedar, Elizabeth Hensing, Taylor, and a member of Eden township girls club. The representative of Eden township club to go to the short course will be selected at an early date. Miss Alma Schlotfelt of Mount Auburn will accompany the girls to the short course. The Cedar township club raised sufficient money to send their club leader Miss Schlotfelt and one of their number. Miss Farris to the short course. The Taylor and Eden township clubs are each raising enough money to send one representative.

Farm Butchering Schools Planned In Benton County

VINTON, Dec. 24.—Two schools on farm butchering will be held in Benton county Jan. 15 and 16 C W McDonald who conducted two demonstrations here last December will do the work again this year

The handicap to this work last year was warm weather and the fact that the demonstrations were scheduled just before Christmas. However, this year's dates should be just about right. The bureau would like to put one demonstration on the south slope and one in the north end of the county. First applications for these demonstrations will be considered first.

At each demonstration two or three hogs, a beef and a sheep will be butchered. The equipment for the demonstration includes a scalding kettle, barrel, block and tackle. Hogs may be brought in by the neighbors. It is also desirable that a side of beef and a dressed porker be brought to the demonstration for a "cutting up" demonstration.

DAIRY FEEDING SCHOOL.

A dairy feeding and management school will be held at the Legion hall in Vinton on January 7. Mr Odekirk will conduct the school Methods of management of the dairy herd, best rations to feed, and the figuring of balanced rations will be taken up. Everyone interested in dairying is invited to attend.

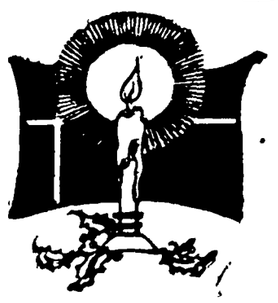
SPRING SEED CORN TEST PROVES WORTH

Iowa farmers who last spring took time to give their seed corn an individual ear test were paid for their efforts at the rate of $60 a day, according to computations based on the results of experiments with 19 corn disease test plots conducted in nine Iowa counties during the past season.

In conducting these test plots the seed used was of three types—diseased seed, farmers' seed which was taken directly from the planter boxes, and disease-free seed. The disease-free seed yielded 8.8 bushels more an acre than did the diseased seed and 4.4 bushels more an acre than did the farmers' seed. At this rate the use of individual ear test for seed corn would have meant an increase of $250 in the value of the 1924 corn crop, from the average Iowa farmers' corn crop of 50 acres. Two or three days during the winter are sufficient time for the average farmer to test his corn by this method.

Diplodia dry rot and Basispoium dry rot are responsible for most serious losses in the state, according to Donald R. Porter, plant disease specialist, Iowa State college. Diplodia dry rot passes the winter either on old corn stalks left in the field, on moldy ears which were not gathered or on stalks used for fodder and taken back to the field with barnyard manure.

No known practice will control all dry rot but probably the most successful practice is the careful rotation of corn every two years. Two years should then elapse before corn is again grown on the same field, is the advice offered by Mr. Porter.



Merry Christmas

St. Nick's Helpers

With whirling snow and the jingle of sleigh bells comes Christmas-time again—the playtime of all the world! Traditions and customs dear to us all are remembered, and everything but joy and friendship is forgotten. The spirit of self-forgetfulness, the rapture of little children, the sweetness of being remembered by dear ones, that is the Christmas spirit.

To the vast army of St. Nick's generous helpers, Denecke's and its many Employees wish you all a

Very Merry Christmas

Denecke's

A Pair of Good Wishes

The simplest wishes are sometimes the best, and so we wish to our many friends

An Exceptionally Merry Christmas and a Prosperous as well as A Happy New Year!

WRIGHT DAIRY CO. INC.
WHOLESALE AND RETAIL
1030 MOUNT VERNON AVE.
CEDAR RAPIDS, IOWA
PHONE WRIGHT NOW-652

QUALITY FIRST SERVICE ALWAYS

We don't want to invoice this stock if low prices will move it.

F. W. FISHER & CO.

This is House Cleaning Time at Fisher's Ready-to-wear Store.

Pre-Inventory Sale

Starts Friday Morning

at 9 o'clock sharp. Nothing in reserve. All must go in this store-wide cleanup sale. We start inventory next week. Prices cut in half, cost not considered.

COATS

Lot 1. Coats with fur collars. Others plain, full length. All colors. Sizes 16 to 44. Values to $20. Sale price

$9.75

COATS

Lot 2. Bolivia cloth coats, fur collars, brown, black and grey. Sizes 16 to 44. Real values at $25 to $30. Going at

$18.75

COATS

Lot 3. Crushed and Plain Plush, Bolivia and Blocked Polaire. All colors. Fur cuffs and collars Sizes 16 to 48. Former price $35 to $45. Sale price

$26.75

Better Coats, Cut Prices $34.75, $38.75, $42.75, $45.00

DRESSES

Wool and silk dresses, all colors and sizes. Many were $19.50 Pre-inventory price

$9.95

DRESSES

Finer dresses in silk and wool and chiffon velvet. Good values at $30.00. Take your choice

$18.50

DRESSES

Our finest wools, crepes, and charmeuse dresses. All were $35 to $50. Come early, they won't last long at

$24.75

Choice of any Winter Hat in the House $3.75

Come prepared to buy at this sale. Bargains galore.

We are not going to carry any winter garments over. We need the room for new spring merchandise.

Every item in this store has been cut in price again for this sale.

LADIES

We extend to you our very best wishes and the season's greetings.

The Peacock Beautte Shoppe

Wishing All A

Merry Christmas

and

Happy New Year

—THE—
STANDARD BAKERY
410 Second Avenue

May you have a

Very Merry Christmas

is the greeting of the

Mar Zel Beaute Shoppe

'ISaw It In The Gazette'