

RADIO BROADCASTING NEWS

Regular schedule of WJAM, The Evening Gazette-Iowa Railway and Light company radio station (wave length, 265; D. M. Perham, engineer), market reports, daily except Sunday, 10, 11:30 and 1:30; Story Hour, conducted by Miss Blanche Loomis, Tuesday and Saturday, 6 to 6:30, other programs to be announced. (Central standard time)

WJAM TO GIVE ITS LISTENERS STAMPS

Have you started your radio stamp album yet? Broadcasting stations throughout the country are adopting this popular fad, giving "radio stamps" to those who report reception of broadcast programs. Station WJAM, beginning with tomorrow's program, will send stamps to all its listeners who write in. Remember, the station must be convinced that you have actually heard its broadcasting. Comments of the announcer or the mention of some particularly identifying incident that occurred during a number are, perhaps, the best proof of this. The "radio" stamps are used by WJAM. Several of these albums, which contain spaces for stamps of practically all the country's radio stations, have been obtained by the Gazette-Light company station and will be given free in a contest to be announced later. The stamps are works of art, and bear the name of station WJAM beautifully engraved.

WALT MOHNSEN ON WJAM TOMORROW

Walter Mohnsen's orchestra of Muscadinie, will be on the air from WJAM Tuesday night. The musicians from the button city will play at Dreamland ballroom, and their music will be transmitted from 9 to 10:30. Mohnsen is favorably known in Cedar Rapids, having made his bow several times before to fans of The Gazette-Light company station from Dreamland. He has arranged a snappy popular program for tomorrow. Miss Blanche Loomis will tell the kiddies bedtime stories between 7 and 8:30.

Wave Length WOC Is Changed To 498

Folk who tuned in WOC, the Palm-or school station at Davenport, Saturday and Sunday were surprised to find the station on a higher wave length than they had previously received. The announcer explained that the wave length of WOC had been changed by the department of commerce from 484 meters to 498.

ON THE AIR TUESDAY, DEC. 23

- 6:15—WDAF (411) Kansas City, school of the air
- 6:45—WDAW (829) Omaha, dinner music
- 7:00—WGY (388) Schenectady, WGY orchestra
- 7:30—KSD (646) St. Louis, music and speciality Missouri theater
- 7:55—WJAM (265) Cedar Rapids, concert
- 8:00—WDAF (411) Kansas City, Harry Snodgrass, "King of the Vestals"
- 8:30—WCB (345) Zion City, classical program
- 8:45—WOC (498) Davenport, Christmas music
- 9:00—WDAF (411) Kansas City, "Around the town with WDAF"
- 9:15—WHAZ (396) Troy, N. Y., Republican Polytechnic night with student musical organizations broadcasting
- 9:30—WJAM (265) Elgin, Monday program from Kimball hall
- 9:50—KTHS (375) Hot Springs, concert
- 10:00—WFAA (476) Dallas, John Thorwald, baritone
- 10:30—WMC (399) Memphis, Bigger Georgia Serenaders
- 10:45—KSI (546) St. Louis, music, Grand Central theater
- 11:00—WDAW (829) Omaha, program
- 11:15—WJAM (265) Hastings, Lutheran seminary program
- 11:30—WDAF (411) Kansas City, concert
- 11:45—WDAF (411) Kansas City, country club orchestra, entertainers
- 12:00—WOC (498) Davenport, Temple chorus of Rock Island
- 12:30—KTHS (375) Hot Springs, concert
- 1:00—WBO (429) Atlanta, Warner's Carolus Nelly, organist
- 1:15—WDAF (411) Kansas City, Nighthawks

- 7:30—CKAC (425) Montreal, studio entertainment
- 7:50—WJAF (492) New York, Gold Dust Twins
- 7:55—WCAE (482) Pittsburgh, concert
- 8:00—WVZ (307) Springfield, concert
- 8:15—WGN (370) Chicago, Croatian Singing society
- 8:30—WMAQ (447) Chicago, book review travel talk
- 8:45—WDAF (411) Kansas City, Eveready hour
- 9:00—WVZ (307) Springfield, U. S. Navy band from Fort Banister, orchestra
- 9:15—KSD (646) St. Louis, Elje club, melodrama
- 9:30—WFAA (176) Dallas, Christmas music
- 9:50—WMC (399) Memphis, classical program
- 10:00—WJAM (265) Cedar Rapids, program, Chicago Musical college, Chicago, Chicago university program
- 10:15—WDAF (411) Kansas City, hour of Brunswick music
- 10:30—WJAM (265) Omaha, Seventeenth U. S. Infantry band
- 10:45—WCAE (482) Pittsburgh, orchestra
- 10:55—WMAQ (447) Chicago, St. Mark's choir, Glenn Kilgus, orchestra
- 11:00—WDAF (411) Kansas City, Smith's Mt. Royal dance orchestra
- 11:15—WMAQ (447) Chicago, St. Mark's choir, Glenn Kilgus, orchestra
- 11:30—WDAF (411) Kansas City, Smith's Mt. Royal dance orchestra
- 11:45—WMAQ (447) Chicago, "At home" until 11:50
- 12:00—WGN (370) Chicago, jazz hour, Don West, Jack Channing, orchestra
- 12:15—WJAM (265) Cedar Rapids, orchestra, monologue, quartet, instrumental
- 12:30—KXKX (337) Hollywood, features
- 12:45—KXKX (337) Hollywood, features
- 1:00—WJZ (458) New York, Meyer-Dale
- 1:15—KGO (512) Oakland, drama
- 1:30—KGO (512) Oakland, dramatic
- 1:45—KGO (512) Oakland, dramatic
- 2:00—KGO (512) Oakland, dramatic
- 2:15—KGO (512) Oakland, dramatic
- 2:30—KGO (512) Oakland, dramatic
- 2:45—KGO (512) Oakland, dramatic
- 3:00—KGO (512) Oakland, dramatic
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- 4:15—KGO (512) Oakland, dramatic
- 4:30—KGO (512) Oakland, dramatic
- 4:45—KGO (512) Oakland, dramatic
- 5:00—KGO (512) Oakland, dramatic
- 5:15—KGO (512) Oakland, dramatic
- 5:30—KGO (512) Oakland, dramatic
- 5:45—KGO (512) Oakland, dramatic
- 6:00—KGO (512) Oakland, dramatic

have the "B" battery voltage finely regulated. This question is often asked, "How can the noise of a 'B' battery be eliminated?" Disturbing noises caused by the "B" battery sound like static, and are generally the result of irregular fluctuations of a weakening "B" battery voltage. Falling-off of the "B" battery voltage is caused by work done by the battery, whereby chemicals in the cells are gradually exhausted, and, secondly, by natural deterioration of the cells when the battery is idle. The best batteries are the ones in which the grade and proportion of the chemicals are most efficiently combined to prevent slow deterioration. All noises in the set can not be blamed on the "B" battery. Anything in the circuit capable of creating irregular fluctuations in the voltage is a source of noise and not the battery itself. When the "B" battery voltage is nearly exhausted, a scratchy noise is the symptom which tells the operator a new "B" battery is needed. Such noises stop as soon as a fresh battery restores the voltage to normal. A combination of low "B" battery voltage and a "soft" detector tube will develop more noise than a "hard" tube. A "B" battery which becomes noisy in connection with a "soft" tube can in many cases be used with an

amplifier tube without creating any noise, providing a fresh battery is applied to the detector. Such factors are loose battery connections, either internal or external, or improper position in the hook-up, or too much voltage, will cause "B" battery noises. "How long will a 'B' battery last?" is another popular question relative to the high-voltage battery. Factors governing the life of a "B" battery are as follows: the number and type of vacuum tubes used, length of time the set is operated; size of cells in the battery, and care given the battery. The more tubes used, the greater will be the drain on the battery, and its life will be shortened. Ordinary detector and amplifier tubes draw comparatively small currents. Power tubes, for example, draw heavily from the "B" battery. There are two common sizes of "B" batteries; the midsize type of 22½-volts weighing less than a pound and the standard size 22½-volt battery weighing about 3½ pounds. Facts have shown that under average conditions, operating the ordinary three-tube set one or two hours a day, the midsize battery will last two or three months. Under the same conditions the standard size battery will last at least eight months. The advan-

tage of the midsize battery is for use in portable outfits. Keep the battery with the top up and not on its side. If a battery is left standing on its side the electrolyte will ooze out and make contact with the cells causing a short circuit. All the cells so affected will become rapidly discharged. The battery should not be placed where it will be over heated or affected by moisture; neither should it be dropped. Never short-circuit a battery even momentarily to test it by the side of the spark. A voltmeter having a resistance of at least 50 ohms per volt should be used to test the "B" battery. Never use an ammeter to test a "B" battery. "B" batteries are also made in the form of small storage batteries and can be charged just as any storage battery. (Continued Tomorrow.)



GIRL HUNTER KILLED.

ROCK SPRINGS, Wyo., Dec. 22.—(AP) International News)—While hunting jack rabbits with a boy companion, Miss Barbara Roberts, age 20, was instantly killed here Sunday, when she lost her footing on a snow-covered cliff and fell 200 feet to the rocks below. The girl was dead when her companion reached her.

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Kembles will telegraph flowers for you anywhere in the United States or foreign countries. Remember your loved ones far away.

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315 Third Ave. Phone 265

Christmas Baskets

Filled With Christmas Goodies

Remember some poor friend with a Christmas basket—or take one home as a surprise to your wife.

Baskets Are Filled to Order—Delivered When You Want Them

Baskets piled heaping high with the finest fruits are priced as low as \$3c.

Other baskets filled with fruits, candies, and good eats for the Christmas table are priced at \$2.44 and up.

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We have every well known brand of Cigars and Cigarets; also a large stock of Cigar and Cigaret Holders, Pipes, Tobaccos, Humidors, Candy, etc.

Come in any time; we are open from 7 a. m. to 12 p. m.

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If you are tired out and weary with Christmas shopping and still have a man to buy for, come right to this store! Nothing will please him more than some neckwear from Thompson's.

Choice of hundreds of fine ties, under priced at

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DENECKE'S GROCERY

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Prices Effective Tuesday and Wednesday

Fancy Soft Shell English Walnuts, 3 lbs. \$1.00	New Crop No. 1 Mixed Nut, 2 lbs. 47c	Fancy Soft Center Carmels 50c value lb. 25c; 3 lbs. 75c
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Mammoth Queen Olives, qt. jar 63c
 Golden Crop Potato Chips, lb. 49c
 Calif. new crop Almond Meats, very special, lb. 73c
 Tender, fluffy Marshmallows, lb. 25c
 New crop Hallouli Dates, 2 lbs. 25c

Christmas Hard Mixed Candy Slightly broken up and stuck together, 3 lbs. 25c	Christmas Chocolates Assorted hard and creamy center, \$1.40
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Eatmore Late Howe Cranberries, 2 lbs. 33c
 Mo. Jonathan Apples, very special, 4 lbs. 25c
 Firm Calif. Head Lettuce, 2 for 25c
 Fancy California Celery, 2 for 25c
 Fancy Florida Cukes, each 13c
 Sunkist Naval Oranges, 2 doz. 49c
 Juicy Florida Grapefruit, 4 for 25c
 Fancy Cauliflower, each 25c up

Pure Granulated Sugar 10 lbs. 69c	Gold Rim Flour Very special 24 1/2 lb. sk. \$1.03
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De Lue's Vermouth—Cordials—Cocktails, qt. \$1.10
 Finest Creamery Butter, lb. 45c
 Extra fine Strictly Fresh Eggs, doz. 55c
 Swansdown Cake Flour, large pkg. 33c
 N.B.C. Plum and Fig Pudding, 2 lbs 65c; 1 lb. can. 35c

DENECKE'S SPECIAL BLEND COFFEE

lb. 50c—3 lbs. \$1.43

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