

FIFTEEN MINUTES OF RADIO EACH DAY

By Edward N. Davis

Formerly Technical Electrical Expert For U. S. Government

Lesson No. 143.

POINTS TO REMEMBER.

Remember that:

In circuits employing amplification, the transformers should not be located too closely together and the leads from the transformers to the grids of the vacuum tubes should be made as short as possible. If the tube sockets and transformer cores are grounded, much of the tendency to "howl" will be eliminated.

When two transmitting stations are using frequencies which do not differ greatly, "beats" may be produced which have a frequency equal to the difference between the two transmitting frequencies. If these "beats" are within the audible range they may cause interference in receiving stations.

A loud speaker may be connected to an amplifying circuit either by the use of a special output transformer or by inserting a choke coil in the plate circuit of the last stage of amplification and then shunting the choke coil and plate battery by a circuit containing the loud speaker in series with a condenser of large capacity. In either case the normal direct current of the plate circuit, by being prevented from passing through the loud speaker, does not cause distortion of the music or speech.

When using a half-wave rectifier for converting the alternating current of the house lighting circuit into direct current for charging a storage battery, never take hold of the terminals while the rectifier is connected to the lighting circuit as the shock, to the human system, of the half-wave pulsations is very dangerous. When charging a storage battery, the negative of the charging circuit should be connected to the negative pole of the battery.

When several stages of amplification are used "howling" often takes place in the amplifier due to a portion of the amplified energy being fed back into the input circuit. This effect may be reduced by putting each tube and its transformer in a separate metal case which is carefully grounded.

A new "B" battery of fifteen small dry cells has a potential of 22.5 volts when first put in service. It is practical to use this battery until the potential has fallen to 15 volts, at which point it should be replaced by a new battery. Under normal conditions the life of this battery is from nine months to one year and longer life may be obtained if the battery is encased in paraffine. The grid bias of "C" battery has a long life due to the fact that it does not supply current, its function being merely to maintain the grid at a negative potential with respect to the filament.

When resistance coupling is used in a multi-stage amplifier it is necessary to increase the voltage of the plate battery from two to four times owing to the fact that a large part of the voltage of the plate battery is absorbed in the resistance coupling.

(All Rights Reserved by United Feature Syndicate. Reproduction Prohibited.)

IRENE CASTLE AND CENSORSHIP

Is Quitting the Stage for a While and Will Return When Bookings are Revised.

Rochester, Nov. 1.—Weary of strenuous jumps between performances and not entirely pleased with her bookings, Irene Castle quit after last night's performance of "The Dance and the Fashion of 1921," here. Miss Castle left her home at 10 o'clock today, accompanied by her husband, she informed her manager that she was going to take a rest and would not return to the stage until her bookings had been revised.

Miss Castle was thrown from a horse two months ago, and received a broken collarbone. She has not fully recovered from the shock, but endeavored to go on with her show.

"Rights don't affect the morals of a community," said Miss Castle in discussing her recent experience in Providence, where she withdrew two dances from the programme to please the authorities. She declared censorship was stupid, and that the subject bored her. She said the trouble now was all Irene Dunham's fault.

"Everyone is interested in my difficulties with the Providence authorities, because Dunham stirred up matters with her statements and abbreviated costumes," said Miss Castle. "Miss Dunham insulted the intelligence of Boston, a thing no person in the public can do, so Boston was naturally ready to find fault with her. They found it in her costumes which, of course, brought up the whole question of censorship."

LIVED WITH WIFE

FOUR DAYS DIVORCED

TEN YEARS LATER

White Plains, N. Y., Nov. 1.—The fact that ten years ago inaugurated four days of marriage for Robert T. McConkey, on the second day of which

Finding

a surplus of these scarves in our stock out of proportion to our usual stock at the first of November, we are offering them to you for three days only at this unheard-of price.

These scarves are single animal style, complete with tails, paws and head, chains and clasp.

Wednesday, Thursday, Friday

BLACK WOLF—Regular \$30, \$35, \$45.....\$15.00

NATURAL WOLF—Regular \$30, \$35, \$45.....\$15.00

NATURAL LYNX CAT—Regular \$20, \$30, \$45.....\$10.00

TAUPE LYNX CAT—Regular \$30, \$35, \$45.....\$15.00

Guaranteed, of course.

D. MAGEE'S SONS, LTD.

43 KING STREET

his wife, Margaret, is alleged to have her statements and abbreviated costumes," said Miss Castle. "Miss Dunham insulted the intelligence of Boston, a thing no person in the public can do, so Boston was naturally ready to find fault with her. They found it in her costumes which, of course, brought up the whole question of censorship."

ONTARIO'S GENEROSITY.

Brantford Examiner.—The response of the people of Ontario to the need of the sufferers in the fire-swept districts of the North is a magnificent exhibition of the spirit of helpfulness. It is true that "man's inhumanity to man" makes countless thousands mourn, but there is also a tremendous amount of kindness and helpfulness.

Special To-morrow

500

Voile Blouses

Values to \$3.00

For \$1.98

The Best Blouse bargain offered this Fall. 12 late styles (long or short sleeves) of that fine quality voile so popular with our customers. All we have are grouped for this one sale. Many are priced below factory cost and cannot be duplicated. Come early.

6 Tailored Styles in Jap Silk, Pongee and Broadcloth

Only \$3.98

Only lately they sold readily at \$5.00. High-low, V neck and Peter Pan. All long sleeves.

D'Alaird

81 King Street

Makes a Family Supply of Cough Remedy

Really better than ready-made Cough Syrup. Easily and quickly prepared.

If you combined the curative properties of every known "ready-made" cough remedy, you probably could not get as much real curative power as there is in this simple home-made cough syrup, which is easily prepared in a few minutes.

Get from any druggist 1/4 ounce of Pinex, pour it into a 16-oz. bottle and fill the bottle with syrup, using either plain granulated sugar syrup, clarified molasses, honey, or corn syrup, as desired. The result is 16 ounces of really better cough syrup than you could buy ready-made and save easily \$2. Tastes pleasant and never spoils.

This Pinex and Syrup preparation gets right at the cause of a cough and gives almost immediate relief. It loosens the phlegm, stops the nasty throat tickle and breaks the sore, irritated membranes so gently and easily that it is really a natural remedy.

A day's use will usually overcome the ordinary cough and for bronchitis, croup, hoarseness and bronchial asthma, there is nothing better.

Pinex is a most valuable, concentrated compound of genuine Norway pine extract, and has been used for generations to break up severe coughs. To avoid disappointment, ask your druggist for 1/4 ounce of Pinex with full directions, and don't accept anything else. Guaranteed to give absolute satisfaction or money promptly refunded. The Pinex Co., Toronto, Ont.

FIRE ALARM TELEGRAPH

Revised Up to Date

7 No. 2 Engine House, King square

8 No. 3 Engine House, Union street

9 Cor. Sewell and Garrison streets

10 Infrary (Private)

11 Union St., near Cor. Mill and Oak St.

12 Prince Wm. street, opposite M. R. A. alley

13 Cor. North Wharf and Nelson street

14 Cor. Mill and Pond streets

15 Water street, opposite Justice's alley

16 Waterloo street, opposite Patten street

17 Cor. Patrick and Union streets

18 Cor. Prince Edward and Richmond streets

19 Prince Edward street, Wilson's foundry

20 Cor. Prince Edward and Hanover streets

21 Cor. Brunswick and Erie streets

22 Cor. Union and Carmarthen streets

23 Cor. Courtenay and St. David streets

24 St. R. A. stores, private

25 Cor. Germain and King streets

26 Cor. Prince and Charlotte streets

27 No. 1 Engine House, Charlotte street

28 City Hall, Cor. Prince William and Prince streets

29 Cor. Germain and Duke streets

30 Cor. Duke and Prince Wm. streets

31 Cor. Duke and West street, private

32 Cor. West street and Prince street

33 Cor. Duke and West street

34 Cor. Charlotte and Hastings streets

35 Cor. Germain and Queen streets

36 Cor. Queen and Carmarthen streets

37 Cor. Sydney and St. James streets

38 Carmarthen st., between Duke and Orange streets

39 Cor. Crown and Union streets

40 Cor. St. James and Prince Wm. streets

41 Cor. Duke and West street

42 Cor. Broad and Carmarthen streets

43 Cor. Britain and Charlotte streets

44 Cor. Pitt and St. James streets

45 Sydney street, opp. Military buildings

46 East end Sheffield street, near Imperial Oil office

47 Artery, Cor. Sheffield and Carmarthen St.

48 City Road, opposite Christie's factory

49 Cor. Dorechester and Isaac streets

50 Knox street

51 Waterloo street, opposite Golding street

52 Waterloo street, opposite entrance Gen. Pub. Hospital

53 Carleton street, Cor. Wellington Row

54 General Public Hospital

55 Cotton Mill, Courtenay Bay, private

56 Brix street, near Patten Tannery

57 Cor. Clarence and Asia streets

58 Cor. King and Pitt streets

59 King street, east, near Carmarthen

60 Brix street, corner, King square

61 Cor. Orange and Pitt St.

62 Cor. Mecklenburg and Pitt

63 City Asylum, Point, foot of Broad

64 McLeod wharf, Water street

Tender Bones Need Tender Treatment

Stiff, unyielding shoes — shoes that chafe and rub — shoes that stamp and crowd the toes — will injure your child's feet.

The little toes are tender — the bones soft. They must be protected.

They give room to grow for every toe.

Of highest quality, they insure the lowest cost per day of wear. Our clerks know how and will fit your children correctly.

HURLBUT SHOES FOR CHILDREN

with their soft pliable uppers, soft flexible cushion soles and broad nature shaped toes protect the feet.

McROBBIE

Foot St. John 50 King Street

Fitters

RECENT DEATHS

Mrs. G. C. Carpenter

The death of Mrs. G. C. Carpenter occurred at Chelsea (Mass.) on Oct. 26 last after a short illness. Besides her husband, she is survived by one son, Cecil. The funeral service will be held at the home of her one surviving sister, Mrs. Frederick Brooklin, 53 Victoria street, on Wednesday evening at 9 o'clock. Interment will take place at Cambridge, Queens county, on Thursday afternoon after the arrival of the steamer Majestic.

Gilbert Darling

The death of Gilbert Darling occurred on Monday at the General Public Hospital here. He is survived by four sisters—Ella, of Boston; Mrs. Harry Gilliland, Hampton; Mrs. W. Moore, of this city, and Grace, at home. The funeral will be held at Nauvewauk on Thursday at 8 o'clock.

James Craig

James Craig, lumber surveyor, died suddenly at his home in Newcastle, yesterday. He leaves one sister and four brothers.

HAPPY HOURS FOR CHILDREN'S AID LITTLE ONES

A good number of the benevolent

fairies who are popularly supposed to be active on Halloween gathered at the home of the Children's Aid Society on Tuesday evening. The children had a merry time and in return furnished entertainment for those who were privileged to be present. The table in the dining room was decorated with the time honored trimming appropriate to the occasion. Promptly at seven o'clock the little ones assembled and sang patriotic choruses, which were followed by solos and recitations, all of which were much applauded. Then all the children

were gathered round the table where they did justice to the good things provided, to the music of gramophone selections. Then there were more songs and when the little ones went upstairs to bed all were sure they had never had a more enjoyable time.

The ladies to whom much of the success of the evening was due and who waited on the table, besides the matron, Misses Foley and Miss Ross. Those who took part in the choruses and solos were: Olive McKay, Lillian Stackhouse, Dorothy McLean, Gertrude Humphries, Floissie Woods, Johnnie Woods, Eddie Woods, Calvin Laskey, Gordon McLean, Miss Longmoor and Miss Gilliland.

The Carleton Union Lodge, F. & A. M., held an enjoyable Halloween dance last evening in their rooms with many attending. The hall was nicely decorated for the occasion, music being provided by Mr. and Mrs. W. B. Putnam. Refreshments were served toward the close. H. F. Bissett was chairman of the committee in charge. This is the first of a series of dances planned by the lodge for the coming winter.

HOLIDAY AT POST OFFICE

Thanksgiving Day (Armistice Day), November 11, will be observed as a public holiday in the Post Office, as follows:

The money order office will be closed.

The general delivery—registration and stamp windows will be open from 9.00 to 10.00 a.m. and 6.00 to 7.00 p.m.

No delivery by letter carriers.

The street letter boxes and parcel receptacles will be collected by team as usual.

Mails will be despatched at the regular hours.

On Saturday afternoon, November 4, there will be a delivery by Letter Carriers, and all branches of the Post Office, including Money Order, will be open for business.

The first of the season's Pythian festivities was staged last evening in the form of a Halloween dance in Pythian Castle under the auspices of Adia Temple, No. 107, Dramatic Order of the Knights of Khorasan. The entertainment was much enjoyed by all present. An orchestra provided excellent music for twenty dances with several novelties in keeping with the Halloween season. Supper was served at 11 o'clock. The committees in charge were as follows: J. F. Kelly, chairman; W. A. Simonds, L. E. Whitaker, H. G. Youngclaus, Charles T. Green and H. M. Akerley, secretary. The ladies' committee was as follows: Mrs. H. M. Akerley, Mrs. J. F. Kelly, Mrs. L. E. Whitaker, Mrs. C. T. Green, Mrs. W. A. Simonds and Mrs. Robert McLean.

Clear Baby's Skin With Cuticura Soap and Talcum

Small Children, Talcum, etc. Sold Everywhere. See Report System, Montreal, St. Paul St., Montreal.

Announcement

A \$20,000.00

November Drive

For Increased Business This Month at Minimum of Profit

On Saturday next we purpose launching a genuine and conclusive campaign for a greater volume of business at a minimum of profit.

We have set out to roll up our sales for November \$20,000, and by many very special offerings and your co-operation we will be able to make this sale of very great interest to you.

The event will begin with a six days' sale and drive commencing Saturday, November 4th, and ending promptly on Saturday, November 11th.

The goods offered will not be purchases of odd lines secured for sale purposes, but our own standard merchandise at very special cut prices for the definite period of six days only.

Our object will also be to lighten our fall stocks, which are heavy, and make necessary room for a greater Christmas business, the prospects for which are very promising.

It will be the consumer's big opportunity to secure special lines of Fall and Winter apparel of superior quality at very considerable savings.

Further details in tomorrow's and Friday's evening papers. Make special note that the sale begins Saturday next, and do not miss it.

London House

F. W. DANIEL & CO.

HEAD OF KING ST.

Use the Want Ad. Way

Amdur's Bargain Bulletin No. 22

THURSDAY MORNING ONLY 9 to 11 O'clock

Shaker Flannel

of Exceptionally High Quality

14c A YARD

Choice of this high grade flannel is offered in white and in various colors, including pink, blue, cream and other popular shades. High grade, mottled shaker is also available at 14 cents.

Black, Blue and Red Label Undewear for Men at \$1.45 a garment. The garments, all pure wool, are absolutely guaranteed.

Amdur's, Ltd., No. 1 King Square

Horlick's

Malted Milk for Infants

A safe milk diet, better than cow's milk alone. Contains rich milk and malted grain extract.

Ask for HORLICK'S AND GET THE ORIGINAL