Enjoy Best Health by Eating Best Foods

If people would eat correctly and of the right kind of food one-half of the doctors would be sitting around idle.

Eating correctly is your business. Our business is to sell you the right kind of foodstuffs—the pure and wholesome foodstuffs that enrich the blood and put pep into your mind and action.

The dealer who buys only guaranteed articles cannot well sell you an imitation. This fact is worth keeping in mind when you go marketing.

What we have is good.

NORTH AMERICAN GROCERY CO.

"The Store That Co-operates With the People All the Time"

Electricity Lightens Labor

LIGHT POWER HEAT

THE

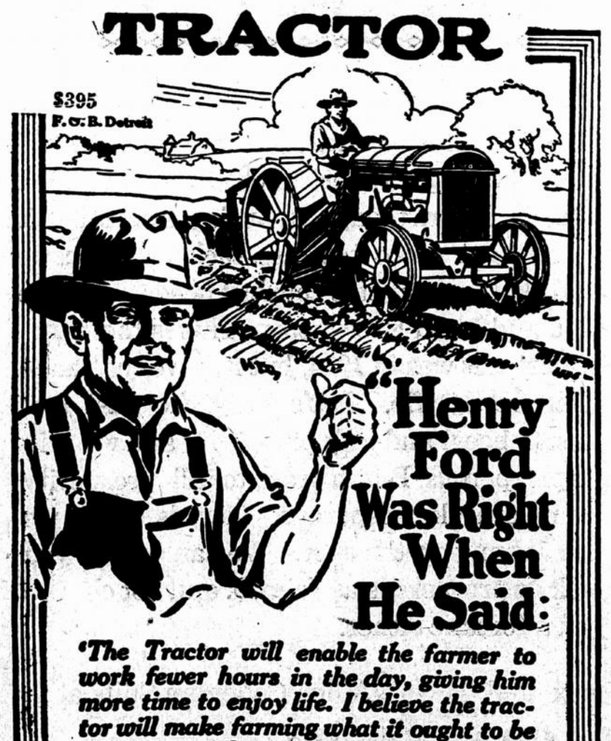
LITTLE FALLS WATER POWER CO.

OF MINNESOTA

We recommend NATIONAL MAZDA LAMPS for Better Lighting

Fordson TRACTOR

$395 F. O. B. Detroit



"Henry Ford Was Right When He Said:

'The Tractor will enable the farmer to work fewer hours in the day, giving him more time to enjoy life. I believe the tractor will make farming what it ought to be—the most pleasant, the most healthful, the most profitable business on earth'."

This tractor has done much—very much—in bringing true Mr. Ford's prophecy; for in it is a machine which has harnessed one of the most dependable, efficient, adaptable, economical sources of power in the world—a machine that saves from thirty to fifty per cent of the farmer's time — a machine which many farmers claim plows, harrows or drills as much ground in the same time as four, six or even eight horses. And more—a machine that takes care of every power job on the farm.

Call and let's talk it over, or telephone or drop us a card and we will bring the facts to you.

E. A. BERG & CO.

FORD AND FORDSON DEALERS

Little Falls, Minn.

PROFESSIONAL CARDS

STEPHEN C. VASALY, Counsellor at Law. First Mortgage Loans. Office in Vasaly Building. Phone 51-J.

G. M. A. FORTIER, M. D., C. M. Graduate of Victoria University, Montreal, Canada. Office at residence corner. Third St., and Second Ave. Northeast.

—FOR—

CHOICE CUTS OF MEAT

CALL AT THE

MOEGLEIN MARKET

MOEGLEIN BROS., Props.

IF THE MEAT PLEASES YOU, TELL OTHERS—IF NOT, TELL US.

GENOLA

May 16:—F. G. Kranz, the candy salesman, called on business here last Tuesday.

H. W. Venners, the tobacco man, called on business here last Tuesday.

Steve T. Lepinski from Little Falls motored here Tuesday afternoon on business.

Mat Valentine transacted business here last Tuesday.

Mr. Haydon from Brainerd was a business caller here on Thursday.

William Poster motored to Royalton Wednesday and transacted business.

N. Rausch returned Thursday from South St. Paul. The report is as follows:—Hogs $10.50; pigs $11.75; veal calves $7.15; and steer 7c. The Farmers' Shipping Association will have their annual business meeting on Friday, May 26, 1922, in the Meyer building at Genola. Everyone is cordially invited to attend.

Andrew Kainz from Vawter was a caller here last Wednesday.

Ed. Poster made a business trip to Little Falls Saturday morning.

T. W. Stumpf, who is employed at Bowlus, came home Saturday to spend Sunday with home folks.

Ray Poster and Jake Kinzer from Buckman were Sunday callers.

William Poster motored to Sullivan Lake Sunday.

L. Weiner shipped two carloads of stock to Duluth last Tuesday.

LADIES' WAISTS and BLOUSES

The newest styles, good quality materials, nicely trimmed, correct sizes and reasonable prices.

White voile waists, at.....98c, $1.48, $1.98 and $2.98

White voile waists, with gingham trimmings, at.....$1.48 and $1.98

White organdie waists, at.....$1.48, $1.98 and $2.98

White Jean middy blouses, at.....$1.98

White Jean middy blouses with blue sailor collars, at.....$1.48 and $1.98

The Golden Rule

Little Falls, Minn.

To Every Door —Everywhere

Lift the latch on your telephone door, and at once you step over the threshold of distance and greet your friend or business associate wherever he may be.

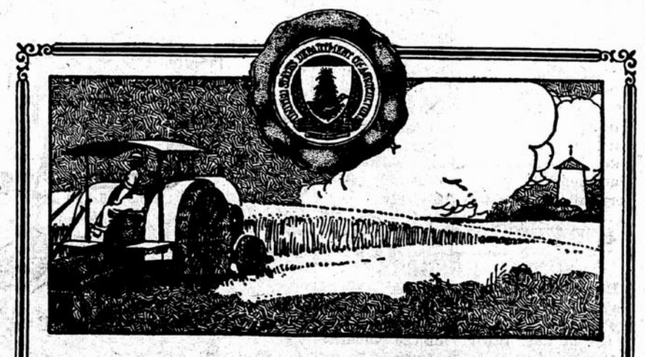
How simple and easy it is!

And yet how effective and businesslike!

By using the long distance telephone you may save an expensive and tiresome trip. You may save the inconvenience of traveling. You may avoid unnecessary waits, delays and possible disappointment. You may conserve valuable time that will mean the success of a social plan or business transaction.

Whenever you want to reach anyone, anywhere, any time, the long distance telephone is the best and quickest way.

NORTHWESTERN BELL TELEPHONE COMPANY



THE GREATEST FARMER IN THE WORLD

One-fourth of the wheat we grow is the result of the researches of the Government. After years of untiring experiment and investigation, the Government, through the Department of Agriculture, was enabled to introduce into this country the remarkable Durum wheat through which our production has been increased fully twenty-five per cent. This has been only one of many surprising but little-known accomplishments of the Government, which are covered in the interesting series of stories for which we have the exclusive right of distribution in this community.

We'll send this literature to you each month without obligation on your part if you will ask for it.

MERCHANTS STATE BANK

Little Falls, Minnesota

RADIO

THINGS BEGINNERS MUST LEARN FIRST

Explanation of Terms Used in Radio and of Its Basic Principles.

Due to the great interest taken in radio since broadcasting stations have been started, many radio terms are seen and heard that may be unfamiliar to the novice. Some of the most commonly used terms are explained and defined below.

Like light, heat and sound, radio energy is propagated in the form of a wave motion. Every one is familiar with the wave motion set up on the surface of a still body of water by the dropping of a stone into it.

Every time a point on the surface of the waves goes through a complete set of motions and starts to repeat those motions the wave is said to have gone through a cycle.

The number of complete cycles gone through per second is the frequency.

The human ear is responsive to sound frequencies up to a few thousand cycles per second but is not capable of responding to the higher frequencies encountered in radio. Arbitrarily a frequency of less than 10,000 cycles has been called an audible frequency—one which can be heard—and frequencies above 10,000 cycles, radio or inaudible frequencies—because they cannot be heard by the human ear.

The particular type of wave which propagates radio energy is an electro-magnetic wave. All of us have seen bits of iron and steel attracted by the little toy magnets made up in the form of horseshoes. This attraction of the magnet for the bits of iron and steel showed the existence of a magnetic field about the tips of the magnet and this same kind of a field propagates the electro-magnetic force, except that unlike the toy magnet, its power comes off in the form of wavy motions. This electro-magnetic force propagates radio energy in all directions.

The medium that transmits the electro-magnetic waves is the same medium that transmits light—the ether. This medium is supposed to fill all space, even that occupied by fluids and solids. Little is known about its properties.

In radio it is more common to speak of wave length than frequency. The wave length of any wave motion is the distance between any two successive crests in the same direction. The wave length depends upon the frequency. If the frequency is high the wave length is short. On the other hand if the frequency is low the wave length is long. Numerically the wave length is equal to the distance traveled by the wave in one second divided by the frequency. Suppose, for example, that it were desired to know the wave length of an electro-magnetic wave having a frequency of 835,000 cycles. Electro-magnetic waves travel at the same speed as do light waves, that is, 186,000 miles per second. Dividing the 186,000 by 835,000 the wave length would be .223 miles or 396 yards. In radio work it is measured in meters. A meter is equal to approximately 1.1 yards. Converting 396 yards into meters the wave length would be 396 divided by 1.1 or 360 meters. This is the wave length on which KDKA operates. It also means that the electro-magnetic waves sent out from this station have a frequency of 835,000 cycles.

FUNDAMENTAL PRINCIPLES

In a radiophone transmitter there are two requirements that must be fulfilled. First, there must be a source of high-frequency current, say, between 15,000 and 1,500,000 cycles so connected to an antenna and ground system that energy in the form of electro-magnetic waves will be radiated. Second, there must be some method of controlling this high-frequency current or modulating it so that the variations in the amplitude of the high-frequency current will be directly proportional to the voice or music to be transmitted.

The high-frequency current is known as the carrier-wave and its function is to radiate into space in the form of electro-magnetic waves and by its variation in amplitude carry with it the variation in the tone at the transmitting station.

It is the frequency of the carrier-wave that determines the wave-length on which a radiophone station is transmitted. By experiment it has been found that electro-magnetic waves travel at the same velocity that light waves travel, that is, 186,000 miles per second. Wave-length is the distance between any two similar points on two successive waves; for example, the distance from crest to crest of any two successive waves in the same direction, measured in meters, a unit of length equal approximately to one and one-tenth yards. Converting 186,000 miles to meters, the equivalent is 300,000,000 meters. The length of an electro-magnetic wave is equal then to 300,000,000 divided by the frequency. Suppose a station was transmitting on a wave-length of 360 meters. The frequency of the carrier-wave would be approximately 835,000 cycles.

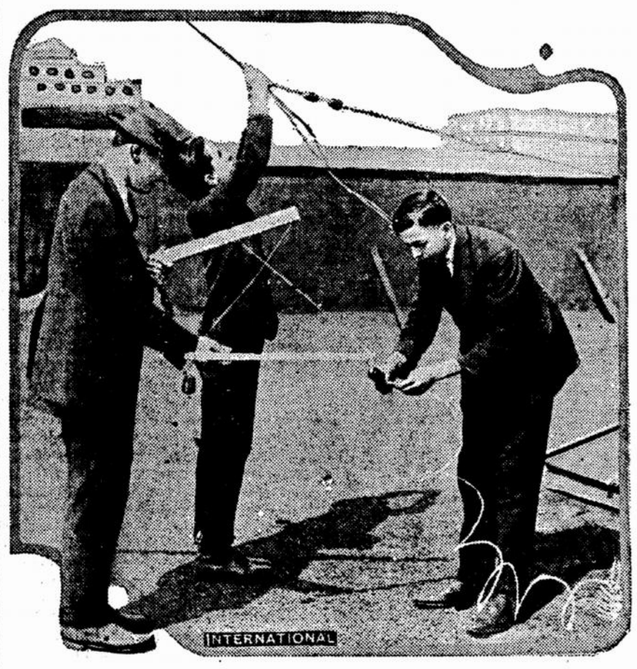
Just as a violinist tunes his instrument, that is, makes a certain string emit a note of higher or lower pitch, or, technically speaking, a sound wave of higher or lower frequency, by adjusting the tension on the string, so may the electrical constants of the antenna circuit of a radiophone transmitter be changed in order to have the station emit a carrier-wave of a different frequency.

If a tuning fork having a natural period corresponding to middle C be placed near a violinist who is playing, the fork will vibrate when the musician plays middle C, but all other times it will remain quiescent. This phenomenon of the tuning fork vibrating whenever the musician plays the corresponding note on the violin is known as mechanical resonance. If a radio receiver be adjusted so that electrically its natural period of vibration will be 835,000 cycles (360 meters wave-length) every time a station transmits on a wave-length of 360 meters, current will be set up in the receiver by electrical resonance. Stations transmitting on any wave-length other than 360 meters will not cause a current to be set up in the receiver.

The portion of a radio receiver that changes the wave-length at which it is electrically resonant is called a tuner. Suppose that "A" station transmits on a wave-length of 200 meters and "B" on a wave-length of 360 meters. By adjusting the tuner until the constants of the receiver make it electrically resonant to a 200-meter wave or a 360-meter wave, either of the two stations can be picked up, but both stations cannot be picked up simultaneously. This is the reason that more than one transmitter can be operating at one time and yet only one can be heard on a receiver without interference from the others.

The other necessary part of a radio receiver is the detector. The function of this portion of the receiver is to utilize the small currents in the tuner that are set up by a transmitting station and make them audible through the medium of a telephone receiver. If the telephone receiver were connected directly to the tuner the high-frequency current would not operate the diaphragm of the receiver and even if the diaphragm were set in motion it would be too fast a motion to be picked up by the human ear.

In a simple receiver the detector usually consists of two pieces of mineral in contact or a piece of mineral in contact with a metallic spring. Either combination is known as a crystal detector. A detector of this type is nothing more than a rectifier; that is, when an alternating current is applied at the terminals the current is allowed to flow only in one direction.



Amateur Radio Operators Erecting Aerial on the Roof.

How One Editor Uses Radio.

The editor of a paper in an isolated town in the northwest is using the radio in a most ingenious and effective way. An aamateur radio friend in a big city 50 miles away buys the latest editions of the city papers as soon as they are off the press, reads the best news into his transmitter, and a typist in the country office copies the news as it comes in over the office receiver. The editor, through this ingenious plan, is always "First With the Latest" in his home town.

LASTRUP

May 16:—The Mission society of St. John of Nepomuck church of Lastrup will give a card party at the Lastrup hall on Sunday evening, May 21. The admission is 50c. All are invited to attend.

The local baseball fans played those of Agram at Lastrup on Sunday. The results of the game were 11 to 11.

The play "Deacon Dubbs," and dance given at the Lastrup hall proved very successful. All characters played their parts exceptionally well. The proceeds amounted to $103. Those in charge of the play wish to thank all the participants for their services, and interest given in the work, also all of those who attended and helped its success financially.

The Misses Marie Ortman and Agnes Finneman, who attend school at St. Cloud, spent the week-end at their parental homes here.

Herman Poepping and Charley Vosen were Little Falls callers on Saturday.

The teacher and pupils of the primary room enjoyed a wiener roast at the school lake on Wednesday afternoon.

Florence Krejci and Marguerite Lyman were week-end callers in Little Falls.

Mr. and Mrs. Louis Kummet and family of Pierz motored to Lastrup on Sunday.

The state examinations will be given at Lastrup school on May 31st and June 1st.

Rev. Fr. Klein and John Rausch motored to Little Falls on Friday.

Mike Schomer left for Anoka on Thursday, where he will attend the funeral of a relative.

CITATION FOR HEARING ON PETITION FOR PROBATE OF WILL

ESTATE OF ROBERT GRUBER

State of Minnesota,)
County of Morrison.)
In Probate Court.

In the Matter of the Estate of Robert Gruber, Decedent:

The State of Minnesota to all persons interested in the allowance and probate of the will of said decedent:

The petition of Rosa Gruber, being duly filed in this court, representing that Robert Gruber, then a resident of the County of Morrison, State of Minnesota, died on the 9th day of April, 1922 leaving a last will and testament which is presented to this court with said petition, and praying that said instrument be allowed as the last will and testament of said decedent, and that letters testamentary be issued thereon to Rosa Gruber.

Now, Therefore, You and Each of You, are hereby cited and required to show cause, if any you have, before this Court, at the Probate Court Rooms in the Court House, in Little Falls, County of Morrison, State of Minnesota, on the 3rd day of June 1922, at 10 o'clock A. M., why the prayer of said petition should not be granted.

Witness the Honorable C. W. Kemp, Judge of said Court, and the Seal of said Court, this 10th day of May, 1922.

(Court Seal) C. W. KEMP, Judge.

N. N. BERGHEIM,
Attorney for Petitioner.
Little Falls, Minnesota. 11-13

SHERIFF'S SALE OF REAL ESTATE UNDER JUDGMENT OF FORECLOSURE

State of Minnesota,)
County of Morrison.)
In District Court.
Seventh Judicial District.

Albert E. Leitner,)
Plaintiff.
vs.
E. A. LaFond and Aurora M.)
LaFond, his wife,)
Defendants.

NOTICE is hereby given that under and by virtue of a Judgment and Decree entered in the above entitled action on the 15th day of April, 1922, a certified transcript of which has been delivered to me, I, the undersigned, Sheriff of Morrison County, will sell, at public auction, to the highest bidder, for cash, on Saturday, the 3rd day of June 1922, at 10 o'clock in the forenoon of said day at the north front door of the Court House in the City of Little Falls in said County, in one parcel, the premises and real estate described in said Judgment and Decree, to-wit: All that tract or parcel of land lying and being in the County of Morrison and State of Minnesota, described as follows, to-wit:

The Northwest Quarter of Section Twenty-two, Township Forty, Range Thirty-two, containing 160 acres of land more or less according to the Government Survey thereof.

Dated this 19th day of April, 1922.

PAUL FELIX,
Sheriff of Morrison County, Minnesota.

N. N. BERGHEIM,
Plaintiff's Attorney,
Little Falls, Minnesota. 8-13

NOTICE OF MORTGAGE FORECLOSURE SALE

Default having been made in the payment of the sum of Five Hundred Forty-six and 50-100 Dollars ($546.50), which is claimed to be due and is due at the date of this notice upon a certain Mortgage, duly executed and delivered by Carl B. Berglund, a single man, Mortgagor, to Carrie M. Sprandel, Mortgagee, bearing date the 26th day of December 1918, and with a power of sale therein contained, duly recorded in the office of the Register of Deeds in and for the County of Morrison and State of Minnesota, on the 27th day of December 1918, at 3 o'clock p. m., in Book 47 of Mortgages, on page 377.

NOW, THEREFORE, NOTICE IS HEREBY GIVEN, That by virtue of the power of sale contained in said Mortgage, and pursuant to the statute in such case made and provided, the said Mortgage will be foreclosed by a sale of the premises described in and conveyed by said Mortgage, viz:

East Half of Southwest Quarter.

West Half of Southeast Quarter of Section Ten and

Northeast Quarter of Northwest Quarter and

Northwest Quarter of Northeast Quarter of Section Fifteen in Township Forty-two, Range 31, containing 240 acres of land more or less according to Government survey in Morrison County and State of Minnesota, with the hereditaments and appurtenances; which sale will be made by the sheriff of said Morrison County at the north front door of the Court House, in the City of Little Falls in said County and State, on the 27th day of May 1922, at 10 o'clock a. m. of that day, at public vendue, to the highest bidder for cash, to pay said debt of $546.50 and interest, and the taxes, if any, on said premises, and Twenty-five Dollars Attorney's fees, as stipulated in and by said Mortgage in case of foreclosure, and the disbursements allowed by law; subject to redemption at any time within one year from the day of sale, as provided by law.

Dated April 13, A. D. 1922.

CARRIE M. SPRANDEL,
Mortgagee.

N. N. BERGHEIM,
Attorney for Mortgagee,
Little Falls, Minnesota. 7-12

NOTICE OF MORTGAGE FORECLOSURE SALE

Default having been made in the payment of the sum of $799.20, Seven Hundred Ninety-nine and 20-100ths Dollars, which is claimed to be due and is due at the date of this notice upon a certain Mortgage, duly executed and delivered by Olof J. Sjodin and Anna B. Sjodin, his wife, Mortgagor, to Merchants State Bank of Little Falls, Mortgagee, bearing date the 23rd day of April, 1919, and with a power of sale therein contained, duly recorded in the office of the Register of Deeds in and for the County of Morrison and State of Minnesota, on the 2nd day of May 1919, at 4 o'clock p. m., in Book 48 of Mortgages, on page 190.

AND WHEREAS, The said Merchants State Bank of Little Falls Mortgagee and Holder of said Mortgage, has duly elected and does hereby elect to declare the whole principal sum of said Mortgage due and payable at the date of this notice, under the terms and conditions of said Mortgage and the power of sale therein contained; and whereas there is actually due and claimed to be due and payable at the date of this notice the sum of Six Thousand Two Hundred Ninety-nine and 20-100 Dollars ($6,299.20), with interest thereon at the rate of seven per cent per annum from the 3rd day of May 1922, and whereas the said power of sale has become operative and no action or proceeding having been instituted, at law or otherwise, to recover the debt secured by said Mortgage, or any part thereof;

Now, Therefore, Notice is Hereby Given, That by virtue of the power of sale contained in said Mortgage, and pursuant to the statute in such case made and provided, the said Mortgage will be foreclosed by a sale of the premises described in and conveyed by said Mortgage, viz:

The West Half of the Southwest Quarter (W½ of SW¼) and the South Half of the Southeast Quarter of the Southwest Quarter, (S½ of SE¼ of SW¼), in Section Twenty-two (22), in Township One Hundred Twenty-seven (127), of Range Thirty-one (31), containing One Hundred Acres be it more or less according to the U. S. Government Survey thereof, in Morrison County and State of Minnesota, with the hereditaments and appurtenances; which sale will be made by the Sheriff of said Morrison County, at the north front door of the Court House, in the City of Little Falls in said County and State, on the 17th day of June 1922, at 10 o'clock a. m. of that day, at public vendue to the highest bidder for cash, to pay said debt of $6,299.20, and interest, and the taxes, if any, on said premises, and Fifty Dollars Attorney's fees, as stipulated in and by said Mortgage in case of foreclosure, and the disbursements allowed by law; subject to redemption at any time within one year from the day of sale, as provided by law.

Dated May 3, A. D., 1922.

THE MERCHANTS STATE BANK OF LITTLE FALLS,
Mortgagee.

N. N. BERGHEIM,
Attorney.
Little Falls, Minnesota. 10-15

C. E. Lucas arrived in Little Falls from Buhl Monday and assumed his new duties as managing secretary of the Little Falls Board of Commerce.