

The Farmington Enterprise
Established 1888 by Edgar R. Bloomer as "A Permanent Journal of Progress"
Published Thursday of each week and entered at the Post Office at Farmington, Oakland County, Michigan, as second-class matter, under Act of March 3, 1879.

WEST FARMINGTON

Roland Green, son of Mr. and Mrs. Smith Green received a diploma as a member of the Michigan Dairy Production Course, at Michigan State College. He is taking the two weeks preparatory course in testing and herd improvement.

Michigan Beaver Season Open March 15 to April 1

Annual open season on beaver, North America, will open in the lower peninsula Wednesday, and in the upper peninsula April 1. The lower peninsula season, March 15 to April 5, inclusive, will embrace all counties north of Township 16 and west of Saginaw Bay and also Montcalm counties.

WEST POINT PARK

Mrs. Edward Stromstedt of Wayne, was the guest of her mother, Mrs. Margaret Martin, Saturday night. Mrs. J. W. Ault visited her nephew, Herman Keizer, of Huntington Woods, Sunday.

ing dishes being awarded to winners. The April meeting of the Club will be held in the P.T.A. headquarters, formerly the Little old school-house and the hostesses will be Mrs. Albert Owen, assisted by Mrs. Carson Baldwin and Mrs. Dyer.

MANY DOCTORS STUDY AGAIN IN ANN ARBOR

Over 1,500 practicing physicians from 273 towns and cities in Michigan, 25 states and two foreign countries. During the ten days of there have been 6,181 registrations. About 700 of these physicians have come from other states. In this period 2,537 Michigan physicians took from one to seven states and eight foreign countries have been represented in these classes.

given in five centres of the Upper Peninsula and in four centers in the upper part of the Lower Peninsula. These courses were financed by the State Department of Health with funds received from the Federal Government.

Before 1838 western railway coaches were built on the lines of a stagecoach with doors in the center of each side. In 1838 an English coach maker in Michigan constructed the first railway coach with the doors at the ends, permitting passage from one car to the next.



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EDITORIALS

Dish Washing

For years the medical fraternity has been holding up its hands in horror at the way dishwashers wash in the ordinary kitchen. Yesterday Dr. W. A. Mallman, head of the Michigan State College Bacteriology Department, sounded the warning in these words: "Eighty-five per cent. of respiratory diseases can be traced to faulty dish washing or handling."

Fashion's Forelock

The morning paper says that spring will see hair that is not so much as the hair "definitely down." It is safe to venture that every sweet young thing—and her every sister, too—has already made the alterations necessary to bring her own locks in line more or less. Perhaps her mother, having developed a philosophy in such matters, will wisely and knowingly quote classically: "I do not set my life at a pin's fee!" Meaning, of course, the hairpin.

SELF-SUPPORTING STUDENTS

Over 15 per cent of the students in the medical school at the University of Michigan are partially or totally self-supporting. The 1937-38 President's Report reveals records show a great variety of types of employment. Thirty-one of the students are clerks or coders, 12 are waiters, 17 are laboratory assistants, and 15 are kitchen helpers. Bacteriologists, chemists, research assistants, and typists are included among the medical student workers.

GUERNSEY IS SOLD TO GORDON

A registered Guernsey bull has recently been sold by Charles E. Sorenson to Fred E. Gordon, owner of Fox Paw, Mich. This animal is Oscar Jupiter's Max 25560, according to The American Guernsey Cattle Club, Peterborough, N. H.

Clam Chowder

Maine's Legislature is asked to approve Representative Cleveland Sleeper's bill prohibiting the sale of clam chowder in the State. As might be expected, the home of the "Manhattan Chowder" rises to the defense of that "most delicious" and "most popular" of New England dishes. The Worcester (Mass.) Evening Gazette declares: "Eventually the Maine principle will triumph. Let us stick to it, let us stick to it!"

Clam Chowder

While the Hartford (Conn.) Courant points to New Jersey as the real ground where the "Bible Clam Chowder" originates, green peppers, onions, parsley, spices, salt and pepper. The Bangor (Maine) Daily News suggests the penalty for using tomatoes be severe—something like having to stir a barrel of clams at high tide in New England is aroused, but we have an idea the question will be resolved in such a way that the gastronomically-orientated summer visitor to Yankee-land will be able to spread his money with ease for clam chowder—with or without tomatoes.

Dance of the Wavelengths

Broadcasting on other waves measuring less than one yard from crest to crest has long been restricted by the inherent limits of the radio tube as we know it. Now the stepping of radio down to shorter and shorter wavelengths has opened up a new field for useful work. The important step, from ten meters down to one meter, for example, provided areas for television. Armstrong's article in radio and an accurate aviation altimeter, among other things. Researchers saw even greater possibilities below this area if only radio tubes would handle still shorter waves. Now comes an inventor—the "Rhumatron"—from Stanford University, California, which produces wavelengths down to four inches with great power and thereby promises to revolutionize the communication art. It may turn out to be the most important radio invention since Dr. Forest invented the present radio tube in 1906.

Next!

Twenty-five cents is enough for a haircut, according to W. L. Tenney, barber of Cushing, Oklahoma, who has been put in jail five times for charging that amount. Each time he is released he goes to work again giving haircuts at a quarter. Barber Tenney is finally becoming discouraged about an individual's personal liberties and wonders what to become of a barber's suggested battle for the right to charge his own price to a high court, without much success.

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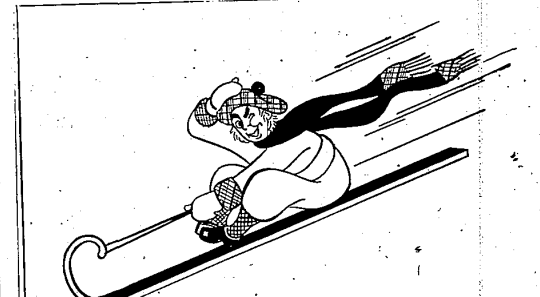
To the Voters Of Farmington Township:

Thank you kindly for your loyal support in our recent primaries. Loretta Cox, Township Treasurer



Left: An operator at the "Voder"; the mechanism designed by the Bell Telephone Laboratories which creates speech. In the background is the loudspeaker. Right: Finger operation of the control keys. Oval: Keys with covers removed, showing electrical contacts.

Some of these are reinforced by resonances in the mouth cavity; that is the way in which are made all the sounds of speech when one whistles, and such sounds as s, th, and f. The Voder therefore, there is a control key and with some of the keys the operator can control its quality so as to make those sounds. Other keys make the "stop consonants" like d, k, and p. Pedal and Switch Controls Tones Another kind of sound enters into human speech, most importantly in the vowel, like a, and e. It comes from the vocal cords, and is very complex and somewhat musical. In the Voder, therefore, there is an electrical source of sound corresponding to the vocal cords; and there is a pedal for changing its pitch and for giving to speech a rising or falling inflection as desired. When the operator wants the sounds made by the vocal cords, instead of whistled sounds or consonants, she depresses an arm-rest switch. Then the particular parts which create sound which are wanted are selected by playing the proper keys. Long Practice Is Required There are twenty-three different sounds available to the Voder operator. By combinations of keys she can mix these sounds and by the dialing operator can control the shading. All speech sounds can be produced, but the number any operator can make use of depends on her finger dexterity. Even granted the ability, only long practice brings skill. The young ladies who will operate the Voder at San Francisco and New York were selected from more than three hundred telephone operators, and through long practice they have acquired a sufficient "vocabulary" to converse on ordinary subjects. Sounds in the Voder's repertoire are not confined to those of the human voice. Bleating of sheep, howling of dogs, rattling of typewriters, and even the rat-tat of the woodpecker are produced with perfect realism. Outgrowth of Basic Research The Voder is an outgrowth of fundamental researches in telephone carried on in the Bell Telephone Laboratories. In the course of one of these researches a speech synthesizer was developed which could be controlled electrically by a speech analyzer. This was demonstrated in September, 1935, at the Harvard Tercentenary in Cambridge. Then the Bell System exhibits were being planned for the exposition at San Francisco and New York, the synthesizer part of the apparatus seemed to offer possibilities for development into a novel demonstration which would have real value, since through it was the formation of speech sounds can be shown. Nickname Recalls Emperor Pedro To his infamy, the Voder is known as "Edith" as a reminder of the telephone that had just been invented, and it was on display in Philadelphia's "Centennial Exposition." Dom Pedro, Emperor of Brazil, was asked to listen while he talked from a few hundred feet away. "My God! It talks!" Dom Pedro exclaimed. Were he alive today, he would not marvel at hearing voices by wire and radio from his capital. But if he heard words that had never come from a human voice, his exclamation of 1818 might well be repeated.



The average price of electricity really toboggans as you add appliances! The more electricity you use, the cheaper it becomes. Suppose, for example, you are now using 10 units per month at the regular residence rate:

Table showing electricity rates: 10 units per month cost \$16, but the next 10 cost only 36c. If you are now using 50 units per month—50 units per month cost \$2.35, but the next 30 cost only 1.25c. If you are now using 100 units per month—100 units per month cost \$3.38, but the next 100 cost only 2.25c.

This "sliding scale" of electric costs means that you can make free and unstinted use of lighting and household appliances and not add much to your bill. Prices average down rapidly as use goes up. Electricity is cheap! The liberal use of electric appliances is wise economy. Prove this to yourself by using all the electricity you need.

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