

A public telephone has been installed on the summit of Fujiyama, the sacred mountain of Japan, at a height of 12,867 feet.

Luck always seems to favor the man who doesn't count on it.

The manager of a finance company in Omaha recently called the company's agent in St. Louis and talked for twenty-nine minutes, closing a deal to raise \$160,000.

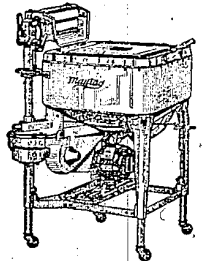
It is expected that during the present year long distance telephone service will be inaugurated between Mexico City and important points in the United States.

OFFICIAL ELECTION NOTICE To the Qualified Electors of the City of Farmington: In compliance with Act 35-1, Part Four, Chapter Three, Section One, on page 570 of the Public Acts of 1925 you are hereby notified that a general election known as the Biennial Spring Election will be held on

MONDAY, APRIL 4, 1927 in every voting precinct in the County and State of Michigan for all political parties participating therein for the purpose of voting for the election of the following officers:

- State Two Justices of the Supreme Court. Two Regents of the University. A Superintendent of Public Instruction. A member of the State Board of Education. Two members of the State Board of Agriculture. County A County Commissioner of Schools. City of Farmington One Mayor. One Clerk. Three Commissioners. One Treasurer. One Assessor. One Justice of the Peace, full term. One Justice of the Peace, to fill vacancy. Two members of the Board of Review. Two Constables. The polls of said election will be open at 7:00 o'clock a. m. or as soon thereafter as may be and will remain open until 8:00 o'clock p. m. of said day of election. N. H. POWELL, City Clerk.

# WHAT do you want most in a WASHER



Do you seek SPEED?—THOROUGHNESS?—VERSATILITY?—ECONOMY?—CONVENIENCE? No matter what particular advantage you seek in your washer purchase, you will find it most pronouncedly developed in the Maytag Gyrafoam.

**Maytag Gyrafoam Washer** WITH CAST ALUMINUM TUB

Permit the Maytag itself to prove its unequalled helpfulness by washing with it. Then—if it doesn't SELL ITSELF, don't keep it. We will gladly bring a Maytag right to your home.

**N. J. EISENLORD & SON** Electrical Contractors' Phone 120 Farmington, Mich.



## Especially for Lent

IN Lenten time no dish is more welcome than hot, crisp, crunchy toast (or tender and delicate, as you prefer) made by electricity at the table—delicious, in fact, as only electricity can make toast.

During the Month of March we are offering Electric Toasters at special prices—as low as \$2.95. Will you not come in and look at them? The opportunity will not last long.

### Some Lenten Toasts

- Cinnamon Toast Welsh Rarebit Toast
- Creamed Mushroom Toast Shiraz Toast
- French Toast Creamed Cheese Toast
- Sardine Sandwich Toast Asparagus Toast

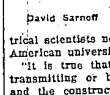
THE DETROIT EDISON COMPANY

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## Great Radio Problems Yet Unsolved, Sarnoff Tells Students

In University Address, Radio Leader Outlines Fields for Original Research and Development.

Canton, N. Y.—David Sarnoff, Vice-President and General Manager of the Radio Corporation of America, in an address on "Uncharted Roads of Radio Development" delivered before The St. Lawrence University recently, declaring that the future will be the laboratory of radio development, and that the greater service which radio envisions is in the hands of the electrical scientists now being trained in American universities.



"It is true that the building of a transmitting or broadcasting station and the construction of a radio receiving set have become matters of practical engineering and precise manufacture," Mr. Sarnoff declared. "We also know that electrical energy generated at a given frequency can be radiated in the form of electrical waves which travel in every direction. We know too some of the laws that govern the effective detection and utilization of such signals and the methods of amplifying these signals till they reach an audibility satisfactory to the human ear. But of the laws that govern the propagation of electro-magnetic waves over the earth and through the air we know little. In this field we encounter a bewildering mass of theory. Much further scientific investigation is required before the problems will be solved."

"We know that with the same given power at the transmitting station we can cover greater distance over water than we can over land; we can in general cover greater distance over flat land than over hilly country, over moist land than dry land. We have noted the absorption of wave energy by the atmosphere of the earth. We are just beginning to glimpse the possibilities of short wave transmission—that is, transmission with wave lengths of 100 meters or less. We know some distances that reception is good at a point 2,000 miles from the transmitter and very poor at a distance of 200 miles. We are able to cover extraordinary ranges with low power short wave transmission, but often are unable to communicate over comparatively short distances. But the fact remains that our understanding of the physical phenomena involved has made comparatively little advance over the theories formulated by Faraday and Maxwell."

Three Basic Technical Problems—The great technical problems of radio communication are static interference, and fading. We have discovered many palliatives for these ills but no cures. (a) Static The proposed solutions of the problem presented by static, as Dr. Z. F. W. Alexander, so ably pointed out, have been dominated by two working theories. One is that static is a disturbance in the atmosphere, different in its electrical nature from a radio signal. The second theory is that the disturbing waves resemble the signal but come from all directions, while the signal itself comes from only one direction. Under the first theory, we have attempted to shield out the static electrically, but we find that we often leave a residue of signal almost too weak for usefulness. The Radio Corporation of America has been much more successful in its application of the second theory, whereby a system of reception is used that responds selectively to the waves from one direction and excludes those from other directions.

(b) Interference Beyond the highly-selective methods of reception already adopted, one of the greatest hopes of solving the problem of interference, that jumble of transmission between signals from different stations, lies in the further exploration of short wave transmission. Short wave lengths promise to open up not only new paths for wave propagation, but a large number of unused communication channels. Consider that almost all the long-wave transoceanic telegraph stations in the world are crowded into a frequency band about 16,000 cycles wide, whereas the available short-wave field below 200 meters includes approximately 20,000,000 cycles, and you will have some indication what the future may bring forth in the way of additional radio communication facilities.

(c) Fading "Of the mysteries of 'fading,' that largely inexplicable diminution of signal strength, we know only that there are three kinds: First, is the great variation between daylight and night reception; second, is the sharp decrease of signal strength which is usually observed around sunrise and sunset; and, third, is the sudden variation of signal strength in broadcasting, when a sharp rise or a sharp drop may be noted of two or three seconds or even of many minutes' duration, down to periods so short that the variation becomes an audible frequency modulation which distorts the signal."

FOR SINCLAIR SERVICE Call Phone 91 Farmington Michigan



When that best customer wants it "Right Away"

Your phone is splendid salesman when you are equipped to give fast delivery service. With a Ford delivery you can serve customers anywhere in your community and get your merchandise to them fresh and clean and without delay. For those "right away" orders you will find your Ford indispensable and you will learn as thousands of others have done that your Ford is real business builder. People want fast service and will trade where they can depend on getting it. Let us show you what the Ford can do for your business.

OLIN RUSSELL FORD SALES AND SERVICE PHONE 151 FARMINGTON AUTHORIZED Ford DEALERS "QUALITY THAT OUTLIVES THE PRICE"

MICHIGAN BELL TELEPHONE CO. The Long Distance Telephone is used by this Kalamazoo Firm to close many orders.

Many of our orders are closed by us over the Long Distance Telephone in all parts of the country

The Farmington Enterprise will keep you in touch with community affairs.