

## Farmington Drug Co.

Stanley F. Smith  
Prescription Druggist

### Sept. Specials

Parsten's Tooth Paste  
Large Tube ..... 17c

Cascade  
Alarm Clocks  
99c

Rex-Salvine  
For burns, large tube  
39c

Cara Nome  
Face Powder  
\$1.00

Klenzo Cocoa Nut  
Oil Shampoo ..... 50c

Boric Acid, 4 oz. ... 17c

**Velvet Brand  
ICE CREAM**  
Exclusively At Our  
Fountain

### Start Delivery Of 250 Trucks To Army Posts

Oakland, Calif.—Delivery of 250 trucks to United States army posts in the Pacific Coast and Rocky Mountain states has been started by the Oakland plant of the Chevrolet Motor Co. Sixty-two convoy trucks and twelve dump trucks were delivered last week.

The new army trucks are of 131 inch wheelbase, with dual wheel equipment. The convoy trucks, with tarpaulin tops, are fitted for the transport of troops or materials.

#### IMPROVEMENT NOTICED

First evidence of prospective improvement in the export of American cars to Great Britain, as a result of a marked reduction in the horsepower tax to become effective January 1, 1935, is to be seen in the announcement that a Chevrolet passenger car distributor has been appointed in England.

#### FOR SALE

PHILLIPS 66 GAS STATION  
Corner Grand River and  
Farmington Roads

Dr. Joseph W. Norton

OSTEOPATHIC PHYSICIAN and  
SURGEON

GENERAL PRACTICE

33209 Grand River Avenue  
Farmington  
TELEPHONE 404

### Rubber 3-1000th Inch Thick Makes Telephone Transmitters Damp-proof



Above: Air-tight "bomb" in which thin rubber diaphragm was tested in pure oxygen under pressure and heat.

Moisture-proof telephone transmitters, for installation in exposed locations or where moisture conditions are particularly severe, such as markets, taxi stations, police call boxes, harbor vessels and similar places, are a recent development of the Bell Telephone Laboratories.

#### Must Be Thin and Supple

To prevent the entrance of moisture into the transmitter, a rubber membrane has been designed which can be interposed between the mouthpiece and the diaphragm. This rubber membrane is extremely thin and supple, to avoid interference with the acoustic transmission from mouthpiece to diaphragm. This means that it must not be thicker than about three one-thousandths of an inch.

Until recently, rubber as thin as this would not last more than a year or two at the most, and in order to meet the moisture-proofing, transmission, and life requirements, a special rubber compound has been developed at the Bell Laboratories.

#### Requirements for Rubber Compound

The function of the rubber chemist is to select and blend, in such proportions as to obtain the desired result, the vast amount of materials which have to be admixed with rubber for the compounding of rubber goods. These compounds also have to be designed for long periods of life; and since in most cases trials cannot be carried on for the desired life period, the rubber chemist resorts to laboratory methods of accelerated aging to predict the period of usefulness of the rubber.

#### Making Laboratory Tests

Laboratory methods for testing the life of rubber goods accelerate the action of oxygen, as the oxygen in the air is the principal agent which deteriorates rubber. Specimens of rubber are placed, for varying periods of time, in a vessel of pure oxygen at a pressure of three hundred pounds per square inch and a temperature of 153 degrees Fahrenheit. When subjected to this test,

Above: Highly polished steel mold for manufacture of very thin rubber diaphragm used in moisture-proofing outdoor telephones.

#### Tests Indicate Long Life

The rubber compound designed by the Bell engineers for transmitter membranes, when given this test for ten days, failed to show any appreciable deterioration and thus its usefulness for the purpose remained unaffected. A service life of many years under moderate conditions of temperature and of protection from ozone and sunlight may be safely predicted for the new rubber membrane as a result of the researches made at the laboratories.

#### Design Special Molds

A problem almost as great as the development of the rubber compound was that of the design of special molding equipment for preparing membranes of the required thickness, form, and accuracy of dimension.

#### Such parts are formed in a highly

polished steel mold, shaped to the dimensions of the desired part, with allowance for slight contraction. Overflow cavities are connected to the mold cavity itself by narrow wedge-shaped channels. The constituents of the rubber compound are mixed to a plastic homogeneous mass between closely-set steel rolls which revolve at different speeds.

#### Manufactured Under Pressure

A quantity of the plastic compound is inserted in the mold cavity and a pressure of several tons per square inch is applied and steam at twenty pounds per square inch is circulated in the platens for twenty minutes. Under the pressure and heat, the raw rubber compound flows, most of it filling the exact shape of the mold, and the excess passing through overflow channels into the overflow cavities.

At the end of the heating period, the membranes are removed from the mold and are ready for assembly in the telephone transmitters.

### Nearby and Yonder . . .

by T. T. MAXEY

#### The Cabildo

PERHAPS no building in New Orleans holds more interest for the stranger than the Cabildo—that solid, dignified structure of unquestioned ancient origin, built of adobe and shell lime, two stories high with a mansard roof.

The guide informs us that it was so named from the municipal council which sat here under Spanish rule when it was the government house or palace of justice and that it was "put up" in 1765.

A tablet explains that here in 1803 the formal transfer of the Province of Louisiana from Spain to France, also from France to the United States, took place; that the Marquis de Lafayette resided here in 1825 as a guest of the city, also that later the main room on the second floor was used by the Supreme Court of Louisiana. In this same room, it is said, was held the first Protestant church service conducted in the state of Louisiana.

The courtyard was used as a prison yard for more than a century. The remains of the old pillory may be seen as well as the bullet holes in the walls—executions having occurred here as late as 1858.

This historic building also played a prominent role in more recent days. Here a reception was given to President McKinley in 1901, and the centennial celebration of the Louisiana purchase was held in 1903.

Still well preserved, this old building now houses the state museum—a collection of intensely interesting relics of early days, including the death mask of the great Napoleon.

(By 1911 Western Newspaper Union.)

Buyers of advertising have learned that there is no substitute for the circulation that newspapers give.

## Hamlin's Market

Friday and Saturday

Sun Brite Cleanser 3 CANS 13c  
Woodbury's Facial Soap, 3 bars 25c  
Jello, Assorted Flavors, 3 pkgs. 17c  
Rice NO. 97 CHOICE BLUE ROSE 2 lbs. 11c  
Sweet Potatoes, 5 lbs. 25c  
Apples, 8 lbs. 25c  
IVORY FLAKES, pkg. 21c  
Bananas, lb. 5c  
IVORY SOAP, bar 5c  
Oranges, medium, dozen 25c  
Quaker Salad Dressing, jar 9c  
Pillsbury Best Flour, sack \$1.14  
Tomatoes, bushel 35c  
Pure Ground Beef, 2 lbs. 25c  
Pumpkin QUAKER 2 CANS 23c  
Quaker Fresh White Lima Beans, can 11c  
Bacon, fancy sliced, lb. 32c  
Pancake Flour Aunt Jemima pkg. 10c  
Aunt Jemima Buckwheat Flour, pkg. 13c  
Smoked Picnics, lb. 16c

**We Deliver Phone 5  
Delos Hamlin**

## PENNIMAN ALLEN THEATRE NORTHVILLE

Saturday, September 29

Spencer Tracy - Alice Faye  
"NOW I'LL TELL"

Mrs. Arnold Rothstein's own story which a world of threat could not drag from her lips.  
NEWS Children 10c; Adults 25c COMEDY

Wednesday, October 3

Edward G. Robinson - Mary Astor  
"MAN WITH TWO FACES"

A dazzling chapter from the Broadway stage. A baffling page from the record of unsolved mysteries.  
NEWS Children 10c; Adults 20c COMEDY

## FORD OWNERS

Listen in on this!

We would like to make an important one-minute announcement. Here it is:

You can combine the pleasure of an exceptional radio with the pleasure of Ford V-8 performance—at very low cost. The Ford radio has been especially designed for the Ford V-8 and can be installed in less than an hour. The controls are mounted in the center of the dash . . . the chassis and speaker (in one unit) fit compactly under the dash above the steering column—out of the way of feet and knees. With good volume and clear, rich tone, it gets all the worthwhile stations clearly.

Come in and hear this radio on our demonstrator. You'll want one on your car, too!

PRICE \$44.50  
Installed, Complete

**Olin Russell, Inc.**

FORD SALES AND SERVICE  
Phone 151 Farmington

## MICHIGAN BELL TELEPHONE CO.



**EVERY HOME  
NEEDS  
TELEPHONE PROTECTION**

Hundreds of Michigan telephone users know the value of telephone service in such emergencies as fire, sickness, accident or burglary. And they know that the quickest way to summon doctor, firemen or police is by telephone.

Just one such call, when lives or property are endangered, may be worth more than the cost of the service for a lifetime.



TO ORDER A TELEPHONE, VISIT,  
WRITE OR CALL THE TELEPHONE  
BUSINESS OFFICE

## Why Take Chances With SHODDY TIRES

WHEN YOU CAN HAVE

**GOODRICH TIRES**

For as little as **40c** a week and

**No Down Payment**

Here are a few Samples of  
Our Weekly Payment Plan

#### SCHEDULE ON GOODRICH COMMANDERS

Size	Price	Down Payment	Weekly Payment
4.50x21	\$5.95	None	45 cents
4.75x19	6.30	None	48 cents
5.00x19	6.65	None	50 cents
5.25x18	7.40	None	57 cents

Same Liberal Terms on Other Sizes and Types

Bring In Your Automobile Title For Identification—Your New GOODRICH TIRES Will Be Installed Promptly.

**You Can Buy the World's  
Finest Battery  
Goodrich Electro-Pak**

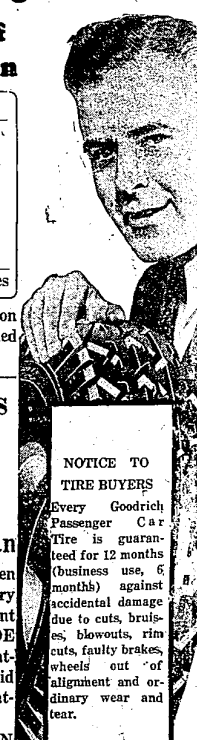
Through Our Easy Payment Plan  
Many automobile operators are finding that even some good batteries are not heavy enough to carry the load of car radios, water heaters and brilliant lights. GOODRICH ELECTRO-PAK IS MADE FOR THAT PURPOSE. Equipped with the new patented top which protects the terminals from acid spray, corrosion of terminals is practically eliminated.

ASK US ABOUT THE EASY PAYMENT PLAN

Busy all day?  
We'll call for  
your car at  
Night

**Earl Vivier**  
Shell Gas and Oils

24-Hour  
Service  
Phone 184



#### NOTICE TO TIRE BUYERS

Every Goodrich Passenger Car Tire is guaranteed for 12 months (business use, 6 months) against accidental damage due to cuts, bruises, blowouts, rim cuts, faulty brakes, wheels out of alignment and ordinary wear and tear.