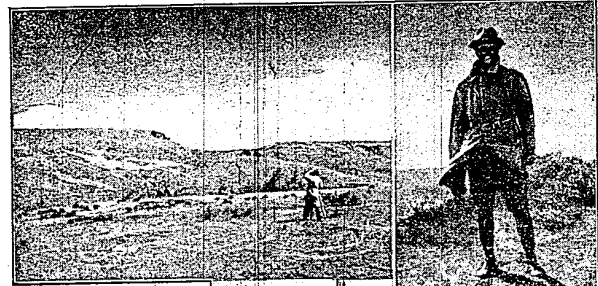


## Poles Rise on the Staked Plains as New Phone Wires Cross the Southwest



Above: A telephone field engineer laying out the fourth transcontinental line somewhere between Amarillo, Tex., and Albuquerque, N. M. Upper right: A field engineer masked and goggled against dust borne by the wind across the great open spaces of the Southwest. Right: Poles rise quickly to become landmarks on the plains as an earth borer digs holes and sets the poles in them.

For 255 miles across the vast open spaces and rugged terrain of the American southwest a new feature is now rising on the landscape: a telephone line. Over prairies so barren of landmarks that Spanish explorers 400 years ago set up large stakes to mark the way they had come, and thus gave the region its name of Llano Estacado, or Staked Plains, telephone poles now stand out against an empty horizon. Stakes such as Coronado and the Conquistadores who followed him never saw.

### Part of East-West Project

The building of this 255-mile line of voice highway between Amarillo, Tex., and Albuquerque, N. M., as a cutoff on the fourth transcontinental telephone line, is an important part of the Bell Telephone System's current program for supplementing its facilities for handling communication between the East and the Pacific Coast. Telephone calls over these transcontinental groups have been steadily increasing, and have reached the point where the existing circuits are now being used to capacity or are approaching this condition.

### String Wire for 1,200 Miles

The new section of line practically parallels the Will Rogers Highway now being developed, and is chiefly situated on private right-of-way, over routes selected to be as free as possible from any outside interference. Another advantage of this particular route is that, although heavy snowstorms occur on occasion, that enemy of open telephone lines, sleet, is seldom severe.

In addition to construction of the new pole line between Amarillo and Albuquerque, the project calls for the stringing of telephone wires for

almost 1,200 miles through these points from Oklahoma City, Okla., to Whitewater, Cal.

Between Oklahoma City and Whitewater, more than 8,000 miles of telephone wire weighing in all about 1,750 tons, are being strung, and the new line will employ the latest refinements in long distance telephony.

**Latest Type of Transmission**  
A new type of carrier system developed by the Bell Telephone Laboratories, will be added to the present types of circuits, so that ultimately it will be possible to transmit 16 telephone conversations simultaneously over each pair of wires.

So large an undertaking as this transcontinental project requires careful organization. The first step was a survey of the proposed route for the new 255-mile line across rough and unsettled territory.

This was followed by an executive conference to determine methods and procedures, the necessary manpower, and tool and motor vehicle requirements. Schedules were then set up for the completion dates of the various steps, including the stringing of wire along the entire 1,200 miles between Oklahoma and California.

### Mark Spot for Each Pole

Field engineering was then undertaken. This meant, first, a detailed survey of the 255 miles between Amarillo and Albuquerque, and then the actual staking of the location for each pole, anchor rod, and anchor hole, together with special surveys at various points.

Included in the detail of arrangements were reports on the availability of transportation, delivery, and storage for material, on accommodations for the construction crews, on special problems which

would be encountered and how they might best be met, and other information necessary to advance planning.

### Set 400 Poles a Week

These preliminaries attended to, the line building crews took to the field, each equipped with efficient trucks and labor saving devices.

As the result of the careful advance planning, and of the organization of the construction crews in small units with specialized functions, the actual construction of the new line between Amarillo and Albuquerque went ahead rapidly. One crew of 19 men, for example, proceeded for several weeks with the construction of the line at the rate of ten miles a week. With poles spaced 120 feet apart, this means the setting of an average of more than 400 poles a week.

### Transcontinental Lines Crisscross Country

As its name implies, the fourth transcontinental line is one of several transcontinental wire highways of the Bell Telephone System. Linking the virtually storm-proof cable network of the East and Midwest with that on the Pacific Coast, these voice paths form a grid across the country, from Canada to the Mexican border.

Between Chicago and Seattle there is the northern transcontinental line; from Chicago to San Francisco, through Denver, there is the central transcontinental; and the southern transcontinental extends to Los Angeles by way of Dallas and El Paso. As each can take over traffic from any other when necessary, these trunk routes and their connecting lines, although hundreds of miles apart, give a high degree of flexibility to transcontinental telephone service.

Persons desiring a copy of the 1937 Agricultural Yearbook can obtain one by addressing a postal card request to Rep. George A. Dondero, 527 Washington Square Building, Royal Oak, Michigan. After the 12th of November requests should be addressed to him at 204 House Office Building, Washington, D. C.

### Request Sending Of Original Cards

Major Howard Starret this week requested unemployed persons not to mail facsimile reproductions of the Federal unemployment census cards to National Re-employment Service offices.

"Some people are under the impression that sample forms which have been printed in many newspapers in Michigan are the actual census forms," the State Re-employment Director said. "A number of filled in copies of these facsimile reproductions have been received by employment offices during the past week."

The National Re-employment Service has been asked to cooperate with the census officials in checking census cards with the active employment office files. According to Washington reports the census cards will be distributed to the census office department on November 15 and 17.

"Unemployed persons actively looking for work should register at the National Re-employment Service office serving the county in which they reside," Starret said. "The Federal census is being taken to give the Administration a picture of the unemployment situation with a minimum of cost and effort. The NRS will continue to function in its role of job finder, job seeker and job analyzer."

Mr. and Mrs. John Harlan and Mr. Elwood Hoar spent Monday in St. Johns.

## LOCALS

Robert and Mrs. Burns were the Thursday evening guests at the home of Mr. and Mrs. Phil Van Keren of Brighton, on the occasion of the monthly dinner and meeting of the Superintendents' Club.

Mr. and Mrs. Frank Macomber, daughter Ruth and son Ralph, formerly of Farmington, now living in Florida, visited friends in this area, Saturday.

The Farmington Woman's Club will meet Wednesday, November 3, at the home of Mrs. Margaret Burgess. The program is in charge of the International Relations department, the subject being America in the Pacific. "Changing China" is the topic of a talk by Mrs. W. W. Hill of Farmington, who will speak on "The Philippines."

Mrs. Norman Barrons spent Friday in Detroit with her sister, Mrs. Burgess.

Mrs. Gus Pappas is spending the week visiting friends in Coshocton, Ohio.

Miss Florence DeLuall has returned to her home in Louisville, after visiting at the home of Mr. and Mrs. P. R. DeLuall.

Mr. A. W. Hill of Vermontville, was the guest over the week end of Otis and Mrs. Jensen. Mrs. Hill visited with her mother in Pontiac Saturday evening.

The Sunshin Harmony Circle of the M. E. Church will meet at the home of Mrs. George Newlin, 35100 Grand River avenue, Thursday, November 4, for a dessert luncheon at one o'clock. Mrs. Layn, Mrs. Banta and Mrs. Westfall will be in charge of transportation.

Mrs. Claude Haskins received word of the death of her grandmother, Mrs. M. L. Merrill, of Akron, Ohio, Sunday.

Arthur and Mrs. Atchison and family of Royal Oak spent Sunday with Mrs. Atchison's parents, Mr. and Mrs. T. E. Allen.

Mrs. William Irish entertained the W. C. T. U. at her home, Tuesday afternoon.

Ralph Banta attended the State Music Clinic in Lansing, Sunday.

Miss Nancy McDonald, formerly a teacher in the Clarenceville schools, spent the week end as the guest of Mr. and Mrs. P. R. DeLuall. Miss McDonald is now teaching in the Lincoln Park school system.

Arthur Fulkerson of Detroit spent Sunday evening with his aunt, Mrs. Otis Jensen.

Mrs. Norman Barrons, jr., spent Monday in Detroit visiting Mrs. H. A. Barrons.

Mrs. Elizabeth Holcomb spent Sunday in Detroit with her sister, Mrs. G. H. Cherry.

Miss Betty Courter of Lansing visited at the Methodist parsonage Sunday.

Mr. and Mrs. Fred Marvin and Owen Anglin of Birmingham, and Mrs. Phoebe Ross called on Mrs. Ross' sister, at Eaton Rapids, Sunday.

Ralph and Mrs. Banta attended the Homecoming football game and dance at Michigan State Normal College, Ypsilanti, Saturday.

Miss Olive Grimwade spent Sunday with her parents, Mr. and Mrs. Albert Grimwade.

Miss Hope DuBois and Miss Eleanor Cavanaugh spent the week end with the latter's parents in Lansing.

Miss Lucille Halsted entertained her bridge club Wednesday evenings.

Mr. and Mrs. Norman Barrons are entertaining as their Sunday dinner guests, Mrs. Rossiter, Miss Helen Rossiter and Mrs. McIntyre, all of Detroit.

Mrs. Fred L. Cook and Mrs. Nina Whipple attended the matinee performance of "The Doll House," Wednesday.

Mrs. Catherine, who is recovering from pneumonia, is spending some time at the home of her daughter, Mrs. Joseph DeVriendt. Elwood Hoar of Detroit is spending some time with John Harlan and family.

### Travel 20,000 Miles To Film Sea Story

One of the longest location expeditions for authentic film settings was made for "Captain's Courageous" which opens a day engagement at the Bedford Theatre Saturday, November 2. The company traveled 20,000 miles, combing the Atlantic seaboard from upper Newfoundland to the West Indies to film fishing and sea action for the Ruydard Kipling classic.

During the four-month trip: the party filmed fishing fleets in action at Port au Basque, Newfoundland and Canada; Liverpool and Shetland, in Nova Scotia; Gloucester, Boston Harbor and Norfolk, it then proceeded to the West Indies, the Cuba Keys, and finally to Charleston to "shoot" the marine details for the famous story of the sea.

"Captain's Courageous," said to be as great as "Mutiny on the Bounty" was produced by Louis D. Lighton, and featured an all star cast including Freddie Bartholomew, Spencer Tracy, Lionel Barrymore, Melvyn Douglas and a distinguished supporting cast. The picture was directed by Victor Fleming.

## Board Approves Old-Age Plan

Approval of an amendment to Michigan's old-age assistance plan was announced by the Social Security Board this week. The effect of this amendment is to liberalize substantially the State's provisions for this form of assistance. The age limit, previously set at 70 years, has been lowered to 65, and citizenship is no longer made a condition of eligibility. The State will no longer require applicants to assign property and insurance to the State as a condition to receiving assistance, and property so assigned under the 1935 law is to be returned by the State to the owner or his estate. The clause in the previous provisions, denying assistance to persons having legally responsible relatives capable of giving support, is omitted from the present plan, as well as

that giving the State a preferred claim against the estates of deceased recipients.

Michigan was the first State to have an old-age assistance plan approved under the Social Security Act. Its original plan, approved by the Board on December 20, 1935, went into full Federal-State operation in February, 1936 when Federal funds first became available. The amendment, which is based on a law passed by the 1937 session of the State Legislature, became effective in July, 1937. In June 1937, the last month before the amendment went into operation, 35,583 needy old people were added in the State. According to estimates for October, based upon reports for the past months, the State is now adding about 63,000 needy old people.

In order to accommodate patrons of The Enterprise, the office is open each Saturday afternoon.

## HALITOSINE

**ANTISEPTIC**

The famous formula that time and experience have proved best for halitosis (bad breath), dandruff and B. O.

Economical, effective... and the *Vagot* value your money can buy.

**FOR SALE BY**

**Mac's 5c-\$1 Store**

Letters to the Editor are always welcomed by this newspaper.

# HOUSE CLEANING calls for HOT WATER

**An Automatic Gas Heater Gives Constant Service at Low Cost**



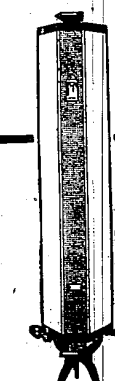
At best, house cleaning is hard work, but it is much easier if you have plenty of hot water available when you want it... without waiting and without running up and down stairs to light and regulate the water heater. You can always have plenty of hot water, at low cost, with an automatic gas water heater.

## NOW IS THE TIME!

You'll get a world of pleasure out of care-free summer water heating — refreshing bath s, easier work, dozens of personal and household uses. Always ready. And our special heaters are "cheap to buy, cheap to use."

**Convert Your Old Tank Into a 24-Hour AUTOMATIC GAS WATER HEATER "a few cents a day does it"**

Here's our famous new Mirror-Shell heater that makes your old tank into an "automatic"—and does it for a few pennies a day. Thousands already in use. End the old waste, expense and nuisance... enjoy 24 hour service, CHEAPLY. Quickly installed.



**INSTALLED NOW AS LOW AS \$1.79 DOWN 18 MONTHS EASY TERMS**

**SEE YOUR PLUMBER—OR CONSUMERS POWER CO. 23612 Farmington Road Phone 304**

## WANT-AD COLUMN

Rates: 1/2 cents per word, minimum 35 cents. Min. Want Ads. Cash before insertion.

### WE'LL HELP YOU FINANCE

Your Home! If you'd like a home of your own, we'll help you build it, on a choice site. Finest locations in this section. Lots priced low. All improvements. Well worth investigation! Write to Box 179, The Farmington Enterprise. 35-12p

**FOR SALE**—Choice building lots in City of Farmington. We will help you finance a home. For particulars write box 178, Enterprise. 34-12p

**WANTED**—To rent garage. Phone 25 or inquire at the Enterprise office.

**WANTED**—To buy electric motor, 1/4 h. p. or more. Phone 25, or inquire at the Enterprise office.

**FOR SALE**—Circulating heating stoves, J. C. Button, cor. Haggerty and 12 Mile road. 1-1p

**FOR SALE**—Oak, Peninsula heater, No. 22, 15 gauge double barrel shotgun. Five Muscovy ducks and one drake. 31610 Shaw street, 300 feet west of La Salle Winery. 14-1p

**FOR RENT**—Three room cottage on Grand River near Seelye road. Apply at 1702 E. Grand River. 1-1p

### Dr. Joseph W. Norton

**ORTHOPATHIC PHYSICIAN AND SURGEON**

**GENERAL PRACTICE**

33300 Grand River Avenue Farmington

TELEPHONE 404

## DANCING SCHOOL—Dancing

taught by appointment by the Dancin' Baileys, formerly on the stage and exhibiting for the leading ballrooms of the country. Teachers of fancy, ballroom and tap dancing. It will be worth your while to give us an interview. Located at 132 Randolph St., Northville. Phone 35-1.

**WANTED**—To hire small power shovel and light trucks for hauling gravel on farm. Write Box 317, Farmington Enterprise. 1-1c

**A \$10,000.00 FORTUNE! HURRY TO WIN! WANT TO WIN IT!**—You still can enter The Detroit Times new \$15,000.00 Famous Names Puzzle Contest—but you should not delay as this opportunity will not last long. This contest, for residents of Michigan only, offers a \$10,000.00 First Prize, plus 99 other handsome cash awards. For details on how you still can enter, see The Detroit Times.

## Copies of Agriculture Yearbook Available

Rep. George A. Dondero announces that he now has a limited number of copies of the 1937 Agricultural Yearbook available for free distribution to residents of the 17th Michigan district as long as the supply lasts.

The current year's volume contains 1,487 pages and is a second to the 1936 yearbook on plant and animal breeding, which covered the major crop plants and classes of livestock. An enormous and varied field is covered this year dealing with onions, cucurbits, peas and beans, leafy cruciferous vegetables, root and salad vegetables, sweet corn, pop corn, potatoes, strawberries and other berries, apples, stone fruits, citrus fruits, flowers, nuts, forage crops, grasses, soybeans, etc. There are, in addition, chapters devoted to forest trees, angora and milk goats, dogs, turkeys, ducks, tur-