

HIGHWAY DEPT. TO START HUGE PROGRAM

Having completed the greatest state trunkline highway maintenance program Michigan has ever known in order to meet the war time emergency, the Michigan State Highway Department now is ready to launch the greatest road construction program this state has ever known. Highway Commissioner Charles M. Ziegler said today in a year-end review of the Department's work during the year and plans for the coming year.

During the war period highway construction was almost entirely eliminated, being confined entirely to roads giving access to war plants and military camps. At the same time Michigan, producing one-eighth of the nation's war materials, was moving some 75 per cent of that material over the state's highways, a heavy traffic and grade separations to eliminate

that caused extensive damage to trunklines, especially during the months built in the early days of Michigan roadbuilding. To keep these roads in good condition to avoid possible delay in truck shipments and to hold down wear on hard-to-replace tires, Commissioner Ziegler ordered a \$10,000,000 maintenance program in each of the last three years. This amount was about 10 per cent above any previous year on record.

Some 2,380 miles of Michigan trunkline highways were improved by special maintenance projects during 1945 alone. The highway department included pavement, gravel, road resurfacing and bituminous treatment of all types of roads.

During the war period, the Highway Department has had very available man working on surveys and plans for projects for the state's \$10,000,000 highway construction program. Some 500 projects, including 200 new bridges, state's highways, a heavy traffic and grade separations to eliminate

dangerous spans and, crossroads, more than 1,600 miles of reconstruction many miles of widening and a complete new sign system are in the postwar program.

When the war ended the Highway Department had for its first postwar construction year. Delay in availability of federal aid funds and contractors' difficulties in obtaining men and materials at the end of the war, postponed the department's plans to start the postwar building program before the end of 1945.

It is anticipated, however, the material and manpower situation will improve shortly and the Department is planning to advertise for bids on the first projects of the new program within two months. Commissioner Ziegler has announced the Department plans a \$26,000,000 program in the first year of this program, the greatest roadbuilding boom the state has ever known. Similar programs are planned for the succeeding years as the State will receive some \$13,000,000 a year in federal aid for each of the next three years. This money must be matched approximately 50-50 by the state.

Digest projects on the highway program are the Detroit Cross-town Expressway and the John C. Lodge Expressway, Wayne County and the city of Detroit will share in the expense of both expressways. The Highway Department will be in charge of construction. Plans have been completed for 125 projects that will cost approximately \$22,000,000 to build. Plans have been started for an additional 194 projects that would cost an estimated \$12,000,000 to build.

Surveys have been completed for 61 additional projects and started on 127 other projects. Commissioner Ziegler during 1945 returned to the tax rolls in Oakland County some 200 parcels of land which the Highway Department had possessed for a number of years. Appraised at approximately \$100,000 this property was sold by the Department for some \$150,000. Other unneeded property in Wayne and Macomb counties also will be sold by the State in the near future.

Indications that Michigan's tourist business is in for a brilliant revival in 1946 is seen in reports from the Highway Department's state ferry service at the Straits of Mackinac. Crossings jumped upward sharply with the end of the war and gas rationing.

Through December 28, the ferries at the Straits of Mackinac had handled 215,295 vehicles in 1945, compared to 120,526 in the same period in 1944, an increase of 78.2 per cent. The 1945 figures showed an increase of 111,023 vehicles over 1943, a gain of 106.3 per cent, but were still 154,755 below the record year of 1941. The State Ferries compiled the best record in history for transporting deer hunters across the Straits this year, the longest wait being about two hours. No cars were required to wait on the

highway adjacent to the Mackinac City docks, although a record of 15,000 cars were handled in five days preceding the opening of the hunting season, approximately 1,000 above 1941, the biggest previous year.

Michigan will receive approximately \$4,500,000 additional federal aid funds in the next three years if Commissioner Ziegler is successful in his efforts to have the Public Road Administration use the official Census Bureau figures on the state's area, which include Great Lakes areas within the state's boundaries. At present the P.R.A. is using an area figure which excludes these lake regions. Thus, if the additional money is forthcoming, it would be matched 50-50 by the state, therefore, giving Michigan an additional road building program of \$9,000,000 a year.

NURSING MAY BE STUDIED UNDER G.I. BILL

Wares and Wares who are returning may wish to avail themselves of the opportunity to study nursing under the G.I. Bill of Rights. The passage of the Servicemen's Readjustment Act makes available to these women who served in the Armed forces of their country at least one year of education at government expense.

The National Publicity Campaign for essential nursing personnel which began September 2, 1945 has pointed out an urgent need for 20,000 graduate nurses for general, tuberculosis and psychiatric hospitals, 8,000 graduate nurses for public health nursing and 2000 graduate nurses for the Veterans Administration hospitals in addition to 2000 more which will be needed by January, 1947.

The needs and demands of the American people have been carefully examined and analyzed and the resulting picture shows the numerous positions of wide variation which will prove interesting and self-satisfying as well as profitable for its members.

No longer is the choice of a field nursing limited to the three major fields of hospital, public health and private duty. Each of these fields have a continuous increasing list plus many additional branches in other fields. At this time in 1946 shows that they have over 100 different types of positions open to graduate nurses. Today that number has definitely increased. That alone is an assurance that the nursing profession offers opportunity for the future graduates.

A recent survey made by the National Organization of Public Health Nurses based on statistics supplied by the United States Public Health Service shows that the United States now has a total of 20,818 public health nurses or one public health nurse for every 2,800 people. The minimum requirement accepted by health authorities is one public health nurse to every 2000 - 5000 population.

The demand for nurses in Government hospitals is continuing. More than 100,000 Veterans of World War II have been admitted to Veterans Administration hospitals. This need must largely be met by civilian nurses as many Army and Navy nurses plan to remain in service during peacetime.

War-time experience has made the nurse in industry an economic asset to the employer and a definite value as a health teacher to the employee. Industrial nursing is predicted to be one of the largest and broadest field open to the nurse.

The American public is becoming more and more health minded. The past four years of turmoil has brought to the attention of the servicemen and the factory worker, the benefits of medical science and nursing care. In the post-war era, these two important groups will expect and rightfully so, for themselves and families the best that the nursing profession can give.

There was a definite shortage of nurses before Pearl Harbor. Nurses returning from the service cannot meet all the demands. Most of them will be experienced in special fields and will come back as well equipped teachers and leaders. Many who have responded to the war-time call will now return to their homes and return as husbands.

A number of teachers and administrators in the schools of nursing have at no time been adequate. There are and will continue to be innumerable openings in this field due to the progress and advancement of educational programs.

Additional positions are open in the field of Physiotherapy, X-ray laboratory, anesthesia, missionary work, social work, midwifery, recreational work, clinic, office and camp nursing, nursing for training, airline transportation, hospital and nursery school nurses and many others. These fields are only a few of the great number in

X-Ray Opened Vast New Field for Medical Science

The x-rays, so-called because scientists did not know their exact nature, were discovered by the German physicist, Wilhelm Conrad Roentgen, on November 8, 1895, at the Physikalisch-Medical Institute of Wurzburg in Bavaria. Early in his experiments with the newly discovered rays, Roentgen found that they would penetrate opaque objects, among them the human body. Interposing his hand between the source of the rays and a piece of luminescent cardboard, Roentgen saw the "bones" of his hand shining in silhouette upon the luminescent screen.

His discovery electrified the medical world, which immediately saw the vast possibilities of this new instrument. The brain on injury and the heart on disease are generally familiar with the use of x-ray in the detection of broken bones. It does not fully appreciate opaque objects, among them the diagnosing of "soft tissue" pathology and the use of x-rays in the prevention and treatment of disease.

No part of the human body due to developments in the medical use of x-ray over the last half-century, is now hidden from the radiologist. By means of x-ray examination, the radiologist can detect diseased conditions of the brain, the heart, the lungs, the digestive tract and other parts of the body, eliminating guesswork almost entirely. Incent cancer, tuberculosis and other malady are quickly diagnosed by radiology, allowing for preventive treatment which more often than not arrests the disease. The x-ray plays an indispensable role in dentistry. Also cancer, various blood diseases and other conditions may be checked by radiation, that is, through treatment with x-rays.

New Corn Products Include Zein and Allyl Starch

Corn is the largest volume agricultural product coming into industry. In 1941 the amount ground for industrial purposes was about four times the 800,000 tons of synthetic rubber produced in this country. The starch industry, however, has not confined itself to corn as the single raw material. When the supply of corn ran out, wheat took its place. Looking toward possible future times, while allyl starch, a new derivative recently developed, may be used in resins and surface coatings.

Hand-Firing
When hand-fired furnaces and boilers shake grates lightly, use all-metal hoes to move glowing coal at other side. If necessary, use paper to start a flame, and leave door slightly open for extra air to maintain flame. Open the overfire (tiring door) damper enough to avoid "puffing." Use sized coal. Maintain a thick fuel bed. Do not use ashes to bank fire. Avoid overheat by checking fire before house is thoroughly warm. Tend heating plant regularly. By wetting ashes at night they can be removed dustily in morning. Plan house for easy fuel delivery and convenient ash removal.

Soy Flour
Either of two types of soy flour on the market, the full-fat and the low-fat flour, can be used in most recipes. Soy flour, like grits, helps to make ground meats go further in soups and sauces, dressings, and many baked goods. Plain soy flour helps to thicken sandwich fillings. In most of your favorite recipes, you may replace two tablespoons of wheat flour with two tablespoons of soy flour in each cup of white flour called for. To save time, put two tablespoons of the soy flour in the bottom of the measuring cup, then fill the cup with white flour.

cluded in the present scope of nursing as an occupation.
Nor are the opportunities in nursing by any means limited to the United States. There are and will be additional opportunities in foreign lands. India wants 21,000 nurses in five years. A large corps of teachers and supervisors must be supplied from other countries to prepare the students recruited from the natives. UN.R.R.A. has already opened the door for the nurses who may wish to work in this field. The Indian Service has been and will continue to be a field with advantages for personal and professional advancement for many nurses. American Veterans must have the best that medical science and the nursing profession can provide.

The young ladies who are high school graduates, interested in people and who wish to prepare themselves for a successful future and to serve humanity while doing the field of nursing opens wide its doors. Such individuals should not fail to seek and obtain additional and detailed information about a career in nursing and visit your local hospital and schools of nursing. Directors of schools of nursing will welcome such visits and will be willing to supply such information.

HONEY DEMAND IS INCREASING SAYS SPECIALIST

Reduction in the number of wild beneficial insects in Michigan and the increase in the crops requiring pollination in recent years are multiplying the demand for honey bees in the state, says R. H. Kelly, beekeeping specialist of Michigan State College.

He points out that commercial beekeeping is now essential to the fruit and vegetable growing industry of Michigan. Thousands of honey bee colonies are moved into orchards each spring for the duration of the blooming period. These bees take the place of wild pollinating insects that have decreased in numbers through the effects of modern agriculture. Yields of many crops are doubled or trebled by use of honey bees.

"If all the honey bees in Michigan were to be evenly distributed among the fruit and seed growers of the state, there aren't enough to allow the necessary one hive per acre of crops," Mr. Kelly stated.

number. "Because of the limited number of bees and beekeepers, the beekeeping industry must be safeguarded. Every experienced beekeeper should be encouraged to continue with his bees if the yields of Michigan crops are to be maintained."

Mr. Kelly thinks that if beekeeping should become unprofitable it may become necessary to subsidize the keeping of bees. He believes also that steps should be taken to conserve our native pollinating insects and to safeguard against indiscriminate use of insecticides such as DDT which might unintentionally destroy beneficial insects while controlling harmful ones.

Mr. and Mrs. James D. Parker had as their guests over New Year Eve, and Mrs. Dean Parker and family, Mr. and Mrs. David Edwards and son, Peter, Miss Joyce Brown and Leonard Stone.

Silver Stains
Keep some powdered silver polish in a salt shaker near the kitchen sink to remove stains on silver as you wash the dishes.

Visit

BING'S SINCLAIR SERVICE

MOTOR TUNE-UP STARTERS GENERATORS
BRAKES CLUTCHES MUFFLERS
TAIL PIPES INSTALLED
LUBRICATION KEROSENE FUEL OIL

30400 Grand River, corner Tuck Road

Telephone Farmington 9028



Get Relief From That Cold!

Hill's
COLD TABLETS

1-Way
COLD TABLETS

Penetro
COLD TABLETS

ALKALIZING AGENTS

INFRA-RED LIGHT

Oak Pharmacy

33401 Grand River

Phone 0466

Can You Spare
38/10 C
Per Week?

That's all it takes to be a regular
FARMINGTON ENTERPRISE
Subscriber

Where can you get so much for so little?

52 issues of your hometown paper packed full of Farmington news and Farmington features . . . know what is going on in your hometown! Remember, **THE FARMINGTON ENTERPRISE** is the only Farmington paper publishing Farmington news.

January is the month to start your 1946 subscription — Stop at the **ENTERPRISE TODAY!**

Your Home Town Newspaper

The Farmington Enterprise

OVEN FRESH BREAD **ROLLS CAKES and PIES**

SO DELICIOUS!

Treat Your Family
To Our Oven Fresh Baked Goods, Today.
Rich, Tasty Pies . . Tempting, Creamy Cakes
... Fresh, Enriched Bread ...

Farmington Bakery

ANNOUNCING
the
GRAND OPENING
of
FAIRLEY AUTO ELECTRIC

NOW LOCATED AT
29590 GRAND RIVER Near Middlebelt

GENERAL AUTO REPAIR

Let Us Check Your . . .

- ✓ BRAKES
- ✓ CARBURETOR
- ✓ BATTERY

and give your Car . . .
a thorough
MOTOR TUNE-UP
See us TODAY! For Safe Driving

Fairley Auto Electric
Grand River near Middlebelt

Expert DRY CLEANING

IT'S IN THE BAG

YES, when we return your expertly cleaned and pressed clothes to you they're completely protected by a paper bag that can be slipped right into your closet. Call us today.

Farmington Cleaners
33208 Grand River Telephone 0329