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## ROAD BUILDING

**SUPER HIGHWAYS TO MEET TRAFFIC NEEDS**

A super highway plan for Detroit, to provide for transportation in the suburban area as the city expands, is proposed by the Detroit Rapid Transit commission. The commission would have the city buy rights of way, before values rise, for a series of streets wide enough to carry four rapid transit lines, two roadways for fast moving automobiles and two roadways for slow moving vehicles, such as trucks.

Of chief interest to motorists is the proposal that the two motor speedways in each street be so built as not to be subject to interruption by cross traffic. According to the Engineering News-Record, separation of through from cross traffic would be accomplished by elevating the two motor speedways as well as the four rapid transit tracks above the cross streets at half-mile intervals. Cross-street traffic would pass under the motor and rapid transit lines through archways which would provide for access to the rapid transit stations. Thus foot passengers would not have to cross the motor speedway.

The super-highway district would be divided into areas three miles square, or of about nine square miles, bounded on all four sides by super-highways. The super-highway system would not include the thoroughfares through the subdivisions of these areas surrounded by the super-highways themselves, but the plan considers it desirable that the intermediate section line roads located on the mile divisions be made 120 feet wide and the half-mile streets be 88 feet wide. If the mile streets were given a width of 120 feet, then it would be practicable, if traffic conditions warrant, to convert them into express motor traffic streets by elevating the express lanes would be done in the case of the super-highway.

The advantage of this plan, it is explained, lies in the fact that besides providing a right of way for wide streets it also provides space for rapid transit lines in the center of these new highways, which can be built at grade when they are required, thus avoiding the necessity of building either subways or elevated railways. The cost of such rapid transit lines at grade is estimated at \$1,100,000 a mile, as against \$5,500,000 for similar four-track subways. So five miles of surface rapid transit could be built for the same money that would be required for one mile of subway if the new streets did not provide this space for rapid transit lines.

Of course, within the city proper, rapid transit lines would have to be built as subways. The plan recognizes this fact and provides for the transition from 120-foot streets with four-track subways to a 204-foot super-highway near the outskirts of the present city.

**Improves Road Building.** Since an instrument known as the valog has been in use by the engineers of the highway department of New York state there has been reported considerable improvement in the construction work by contractors. This device, which measures accurately the surface irregularities of the Empire state's highways, is viewed by the department as one of its best inspectors.

## Millions Out of Jobs All the Time

**Sage Foundation Completes Five-Year Survey.**

New York.—Averaging good and bad years, 10 to 12 per cent of all the workers in the United States, several millions of men and women, are out of work all the time, and widespread unemployment is now a constant phenomenon, with far-reaching economic, social, psychological and moral bearings. These are some of the facts brought out in the introduction to the report of a five-year study of employment methods, needs and agencies made public here by the Russell Sage foundation.

In seeking work through certain types of commercial or fee-charging employment bureaus, particularly those dealing with unskilled and casual labor, thousands of men and women are being exploited, and public employment bureaus or exchanges can make a material contribution toward the solution of this and other phases of the ever-recurring problem of unemployment, the report continues.

It is made clear in the report that the figures on unemployment, while representing the average of the country's experience during the last two decades, are not necessarily indicative of present conditions or of the last year.

**Completed Report Voluminous.** The investigation, which extended into more than seventy cities in thirty-one states and Canada, has just been completed. The full report, covering more than 800 printed pages, will be issued shortly. The survey was conducted by a staff of trained field investigators, all of whom had previously been engaged in employment work, under the direction of Shelby M. Harrison, director of the foundation's department of surveys and exhibits.

Practically every known means for bringing work and the worker together was studied. The "want ad" pages of newspapers, the fee-charging labor agencies, the free public employment offices, the labor union's method of securing work for its members, the fraternal order's activities in this field, the practice of applying for work at the factory gate or the office door, all were investigated. The report points out the advantages and disadvantages to employer and employee in each of these means and its effect on the general employment situation.

A special study was made of the situation in Ohio, Wisconsin, Massachusetts and New York, where there has been the greatest development of organized public employment work. Separate studies were made also of the special problems of farm labor, migratory and casual workers, junior workers, handicapped workers, immigrants, negro workers and professional workers.

## Young Chicks Eaten by Missouri Frogs

Columbia, Mo.—The newest menace to chicks in this section are the bullfrogs, who are getting so large that they can swallow medium-sized fryers. This was discovered by Clarence Makin and Ernest Jones, who killed about 18 bullfrogs at John Gilbert's lake the other day.

On dressing two of the frogs they discovered they had swallowed chickens almost the size of quail.

subjected to such abuses as paying a fee and then failing to get a job, being sent to distant points where no work or where unsatisfactory work exists, but whence he could not return because of the expense involved, being employed through collusion between the agent and employer and after a few days' work being discharged to make way for a new workman while the agent and employer divided the fee.

The report further says: "One conclusion drawn from such findings has been that we must have public bureaus to take the place of the private fee-charging agencies. That is, in so far as people are informed on the question and have expressed their sentiments, most of them appeared convinced that we should have public employment bureaus because of the abuses of some fee-charging agencies, quite regardless of other considerations. In addition, however, the feeling has been growing that this service in the nature of the case should be free, and that the very fact of fee-charging carries with it a dangerous temptation to abuse and fraud.

Through the valley of Mexico are scores of shallow lakes where every variety of duck that summers in the United States and Canada can be found during the winter. Dotted the shores of these lakes are Indian villages whose inhabitants eke out a precarious existence during the summer by cultivating their patches of corn

and beans, but who live easy during the winter by means of their "armadas."

By giving from one-third to one-half of their spoils to the owners of the lands in which the lakes are situated they are able to obtain permission to make enormous bags. Some receive as much as 30,000 pesos (\$15,000) a year as their share.

## PREFERS GOLD TO COUNT



If Mrs. Jas. T. Terry, prominent New York society woman, married Baron Francis Pils de Pils she will lose her large alimony award, and in the event of the baron's death, the Austrian laws will disinherit her. So she has called off her engagement to the baron. Mrs. Terry was Mary Van Wageningen and divorced her husband in Paris several years ago.

**Dreams Find Diamond**  
 Middletown, N. Y.—Frank Triglianti lost a \$150 diamond from the setting of a ring. He dreamed it was in the possession of an acquaintance, and the next morning asked him for it. The man denied any knowledge of the jewel.

Triglianti dreamed the same dream and sought out the man and demanded the diamond. The man gave it to him, mystified over how Triglianti learned he had found it. Triglianti did not tell him.

**Electric Power in Italy.**  
 The total electric power now generated by all the hydro-electric plants in Italy is 1,191,787 horsepower or just a little more than the amount that it has been said would be necessary to send a radio message to Mars.

**Protection for Apes.**  
 Chimpanzees found on French territory in West Africa can only be taken by special permits issued by the government; apes must be carefully handled and caught only in nets or traps.

**Find Ancient Lotus Beds.**  
 Discovered under layers of peat at the edges of the Gobi desert in Manchuria, lotus seeds, believed to have been buried more than 5,000 years ago, were made to grow in the laboratory at an eastern university.

**Lays Millions of Eggs.**  
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**Consumption of Matches.**  
 Statisticians estimate that the world uses about 4,675,650,000 matches a year or an average of seven matches a day for each individual of the world over.

**Hopeless.**  
 He that is not gallant at twenty, strong at thirty, rich at forty and experienced at fifty will never live to be gallant or strong or rich or prudent.

**Test "Sneeze" Gas.**  
 The chemical warfare service of the United States army is experimenting with "sneeze gas," which may be mixed with illuminating gas so as to save lives by warning room occupants of the escape of gas.

**Aids Scientific Research.**  
 Sir Alfred Yarrow, a practical engineer and captain of industry, recently gave nearly \$500,000 for the furtherance of scientific research in England.

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 A wire so constructed that it can be made invisible has been invented and will probably come into practical use for bill wiring.

**New Pocket Hairbrush.**  
 There are but two rows of bristles in a new pocket hairbrush and its companion comb can be inserted between them for carrying.

**Area of British Empire.**  
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 Very well—Take the Accountancy and Business Management, Private Secretarial, Calculator, Confectioner, Stenographic, Penmanship, or Commercial Teachers' Course at

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**Valuable Jewels Sifted From Ashes of Ruins**  
 Rochester, N. Y., which was destroyed by fire, has been recovered from the ruins by sifting. Among the articles recovered are a pearl necklace, valued at \$40,000, and a diamond brooch.

Another brooch, a diamond bar pin and three emeralds still are missing. Since the fire the ruins about the Smith cottage have been roped off and guards maintained.

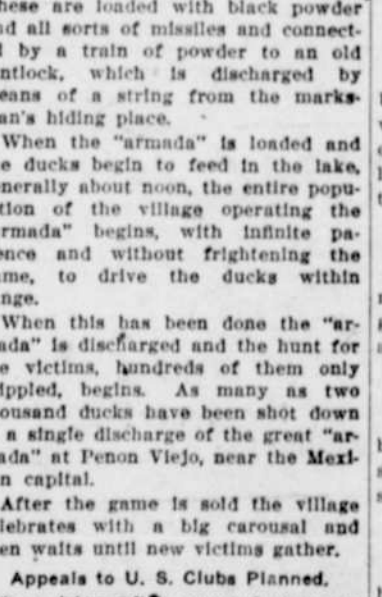
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**Harvests Big Wheat Crop From Ancient Seed**  
 Tacoma, Wash.—F. S. Johnston, a farmer near Morjon, Wash., has just harvested a bumper crop of wheat that he says came from seed taken from an Egyptian tomb. Mr. Johnston says he got the seeds four years ago and this year the increase was enough to plant 15 acres. He has just finished harvesting the crop, which netted 720 bushels for an average of 48.6 bushels to the acre. The grain is white and

very hard, the straw short, the heads prolific, and Mr. Johnston says it is one of the best varieties of spring wheat he has ever grown. It was not learned from what tomb the wheat was obtained.

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## WRIGLEYS

After Every Meal  
 It's the longest-lasting confection you can buy—and it's a help to digestion and a cleanser for the mouth and teeth.  
 Wrigley's means benefit as well as pleasure.

**Sealed in its Purity Package**  
**WRIGLEY'S JUICY FRUIT CHEWING GUM**  
 THE FLAVOR LASTS

**Speed Limit Increases.**  
 Experts incline to the opinion that 325 miles an hour is the limit of possible airplane speed, but time was when 20 miles an hour on a railroad was regarded as a rate of progress that represented the maximum of human achievement.—Boston Transcript.

**Discovered Accidentally.**  
 The ability of X-rays to penetrate solid matter was discovered by accident through leaving a key on top of a desk beneath which photographic plates were kept. When the plates were developed the shadow of the key was seen.

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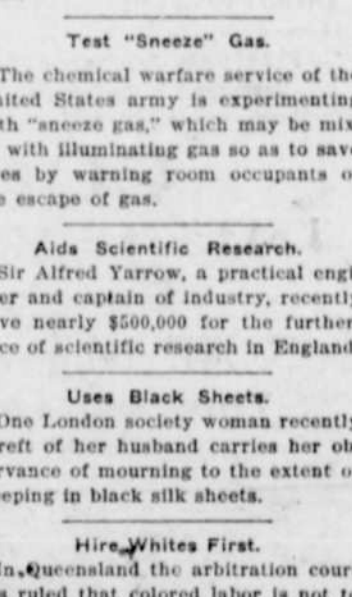
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