

# WILL SPEED UP AMERICAN MAP

## President Hoover Wants to Complete Big Task in Eighteen Years.

Washington.—Recognizing the importance of accurate maps to engineers, President Hoover, has announced his intention of asking congress for funds to speed to completion the topographic mapping of the United States. Under his plan the job will be completed in eighteen years, instead of eighty-eight years, the time required if the work proceeds no faster than its present rate.

So far the undertaking is less than half done, and engineers have been urging the government to push the work more rapidly. Two agencies will carry out the project. The coast and geodetic survey will establish a system of triangulation controls. The geological survey, using this system as a framework, will then proceed with the topographical mapping of the country.

**Work of a Century.**  
In the last 100 years the coast and geodetic survey has established a complete system of triangulation stations along the Atlantic, the Gulf and the Pacific coasts. Such stations extend also up navigable rivers to the head of tidewater. In addition, thousands of stations have been established in other parts of the country and along the border between the United States and Canada. The work, however, has been proceeding slowly and a vast area still remains to be covered.

In 1900 the coast and geodetic survey had completed only 7,000 miles of arc of the first order. Now, the total is 26,000 miles, and the engineers are adding to this at the rate of about 1,000 miles a year. The coast and geodetic survey has been following a plan which calls for arcs of first and second order triangulation throughout the country, the triangles being so spaced that no place in the country will be more than twenty-five miles from a triangulation station. This will be brought about when 40,000 miles of arcs are added to those now existing. The intermediate areas will be covered by third order triangulation, or by traverse surveys by those who want to make detailed surveys, charts or maps.

**Pick Central Point.**  
Thirty years ago a central point was selected for making surveys and charts in the United States and contiguous waters. The station is known as Meade's ranch and is located about twelve miles north of Lucas, Kan. In 1912 the geodetic engineers of Canada and Mexico also adopted this as their initial station, so there is now a single central or initial surveying station for all of North America. Its use will preclude discrepancies in the charts and maps of territory close to the borders of either of the adjoining countries.

Throughout the 100 years of its existence the coast and geodetic survey has endeavored to mark its triangulation stations in such a way that there would be no difficulty in finding them at any time in the future. It has not always been successful for nature and the works of man have destroyed some of the markers. Campers and others have occasionally taken them up in the hope of finding buried treasures nearby.

Blocks of stone or masses of concrete were set up, often carrying the letters "U. S. C. S." Few people knew just what the letters meant, or what the markers were for. For the past twenty years the survey has adopted a plan of putting properly inscribed metal tablets into the stone or concrete at each triangulation station. This tablet tells the visitor that he may learn the significance of the station by writing to the director of the survey at Washington. In thus taking the public into its confidence the survey has saved many of its markers from destruction.

**Value to Industries.**  
"It is difficult to overestimate the value of a good topographic survey to the industries of a nation," says Dr. William W. Bowie, chief of geodesy in the coast and geodetic survey. "It makes no difference whether the engineer is laying out a new highway, erecting a hydroelectric plant, draining a swamp, extending canals from an irrigation reservoir or controlling the flood waters of a river, he should have an accurate topographic map from which to scale distances and compute slopes. Without such a map he is working with insufficient data, and his operations are likely to cost him far more money than would be expended had the topographic map been available.

"The topographic map cannot be made true to scale and have its various topographic features placed in their proper geographic positions unless the map is controlled by triangulation.

"In the United States we have in many years suffered from the lack of first order triangulation in our surveying, mapping and charting, and the situation in this country in the near future should be entirely satisfactory."

"The great arcs of triangulation bear nearly the same relation to charts, maps and surveys that the steel framework bears to the individual parts of a building, such as the floors, walls, windows and elevator shafts. Without the steel framework the building would not stand up; the framework is needed to hold the various parts of the building together, and to co-ordinate those parts. First order triangulation has the same function in the topographical mapping of the country.

Many counties do not know their exact boundaries or area. A county in a southern state not long ago wanted to float a loan with New York bankers. When asked what the area of the county was, its officials could not inform them, for the reason that it had not been accurately mapped. So the New Yorkers had to make a survey of their own before they could make the required loan. Completion of the system of triangulation controls will remove such uncertainties.

It will cost the coast and geodetic survey about \$4,500,000 to complete its part of the work within the next ten years.

### If You Stutter Try Using Your Left Hand

Los Angeles, Calif.—M-m-m-maybe you s-s-stutter b-b-because you use your r-r-right h-h-hand in s-s-stead of your l-l-left.

Dr. Milton Metfessel, who is professor of psychology at the University of Southern California, has found that left-handed persons who have become accustomed to using their right hand often stutter.

"If a person is physiologically left-handed, that is, born to use the left hand, either because other people do it because he has been forced to, the mental workings of the patient may be so disturbed as to make him stutter," said Doctor Metfessel today.

He added that some people are not really aware that they are physiologically left-handed, though they seem to use the right easily. He has perfected tests which detect such cases, since he first must make sure whether or not a person has been born left-handed.

"Of course, all left-handed persons do not stutter," said the professor, "and if left-handedness is the cause of their stuttering, it must be treated carefully to prevent a worse condition."

### Italy to Send Planes in Nonstop N. Y. Hop

Rome.—The Italian government is preparing to send a fleet of ten military hydro-airplanes on a nonstop flight from Italy to New York next March.

Crews of the ten great Savoia-Marchetti ships have been undergoing an intensive training for the transatlantic trip and several of them have undertaken flights for 40 consecutive hours over Lakes Garda and Barcciano.

The air ministry, which is to direct the flight, has arranged for co-operation with the navy and scout ships and destroyers will be stationed along the route ready to assist in the event of an emergency. Italo Balbo, air minister, will command the flight in person.

The project will constitute the 1930 cruise of the Italian aerial navy. In 1928 the air forces carried out an extensive flight over the western Mediterranean sea and northern Africa. This year the ships flew over the eastern Mediterranean and Black sea.

### Spoke Only the Mother Tongue

By BEATRICE A. VANDEGRIFT (Copyright.)

PRIVATE PETRONI, who was a soldier in a heavy tank company of the United States army, wanted his pretty young wife Maria to learn to speak English. He warned her that the time would come when she would be very sorry she could not.

One day Maria and her little boy Beppo set out to pick blackberries in the woods near the army post. They left the dusty road and penetrated the warm, shady forest. Maria had found a thicket of berry bushes and was picking industriously, exhorting Beppo to do the same. Beppo would put a few of the glossy blackberries into his palm, then be diverted by a little red lizard or a strange purple flower like an orchid or a great tan oak ball that went plop! between his fingers and turned dust.

After a while he grew tired and wandered off with his little bucket. Maria's palm was nearly full when she heard a familiar and terrifying hiss in the woods about her, a crashing like prehistoric monsters in battle. "Beppo!" she called in terror, but he was nowhere to be seen.

The crushing came nearer. Cutting through the sweet smell of the woods came the acrid smell of gasoline—the tanks.

Beside them slowly walked a group of officers, inspecting the havoc the iron monsters had wreaked. A tank headed straight for Maria, then slued about. Another came behind it, and another. The woods were full of them. Maria's frantic call for Beppo was lost in their din. She shrieked wildly in Italian for the officers to save her baby, but none of them understood her.

One of the young lieutenants took her by the arm and tried to soothe her. There was a visiting general in the group whom they were trying to impress. Her awful cries simply must not reach his ears.

Suddenly, on the ground that the tanks had just passed over, Maria saw a bright object. It was Beppo's little pal, flattened. She swayed from side to side in anguish.

At length the party came to a clearing in the woods where the tanks were quietly ranged in a row like well-fed hanged. In the center of the clearing was a great log hurled sideways. One of the tanks left the row and started towards it. Maria lapsed into an anguished silence and watched.

The huge tank laboriously began the climb, nosing upward and making horrible noises. At the apex of the pile it paused, its forty tons making the burden crack and groan. Then it found the center of its balance and began to seesaw precariously.

Suddenly, from a crevice in the bottom of the log lurked a pair of brown, sleepy eyes.

"Beppo!" screamed Maria. The men gasped and stood still. In a flash the gray-haired general, the visiting one from whom they had striven to keep all annoyance, dashed forward and, in his spotless beautiful uniform and russet blous, knelt and slowly extracted the bewildered Beppo from the logs, while overhead, the huge tank seethed its forty tons.

### All Humanity Put on Level by Sickness

It is refreshing to discover that, after all, the great and alleged great are not unlike ourselves. One of the best places in the world to find this out is on board an ocean-going liner. We once saw a famous surgeon, whose skill in the attack of disease brought relief to thousands, fold up like a sack in a heavy sea. The roll and pitch of the ship was more than his science could fathom.

On another trip was a celebrated woman athlete. Her name is familiar in mid-ocean. The young lady was sitting in the ship's foyer by the side of a woman companion. The great liner was rolling as it plowed its way through the resting sea. Slowly the lady began to show signs of seasickness. She turned pale and her chin sank low on her bosom. Then the craft suddenly pitched forward and the young woman nearly fell from her chair. Several times she vainly attempted to reach the bracing rail of the promenade deck. It was a few feet away, but inches spelled miles to her. Another lurch and the athlete was propelled to the staircase that led to the corridor in which her cabin was situated.

A few weeks later her name was on page one of the newspapers. Her prowess at her particular game was flashed around the world. It is comforting to know that the celebrated are not superhuman. — Washington Star.

### Years of Experiments to Perfect Photograph

In the development of photography the first important step was the observation that certain salts were sensitive to light. In 1777 Carl Scheele, a Swedish chemist, discovered that silver chloride was blackened quickest by the violet rays of the solar spectrum and that light rays are not all alike chemically active. About 1801 Johann Ritter, of Jena, demonstrated the existence of nonvisible chemical rays beyond the violet rays of the spectrum.

The first man to produce pictures on a sensitized surface were Thomas Wedgwood and Humphrey Davy. They accomplished in 1802, but the pictures were not permanent. It was left to Joseph Niepce, of Chalons-sur-Saone, France, to produce permanent ones. His process was called heliography. He was joined in his experiments by Louis J. M. Niepce, and in January, 1839 they announced their discovery, the daguerretype.

### Poetry of Nature

"But turn out of the way a little—toward yon honeysuckle hedge; there we'll sit and sing, whilst this shower falls so gently upon the teeming earth, and gives yet a sweeter smell to the lovely flowers that adorn these verdant meadows.

"Look! Under that beech tree I sit down, when I was last this way a fishing. And the birds in the ad joining grove seemed to live in a hot low tree, near to the brow of that primrose hill. There I sat viewing the silver streams glide gently toward their center, the tempestuous sea; yet sometimes opposed by rugged rocks and pebbles, which broke their waves and turned them into foam." — Isaac Walton.

### Male Critic Severe on Work of Women Poets

If an effort were made to determine what elements constitute feminine poetry, one would name first its chief characteristic — subjectivity. When a woman writes poetry her emotions generally center around herself and she is only interested in the world as something that reflects favorably or unfavorably on her own individuality. It is usually favorable and when unfavorable, wistfully agonized, writes Herbert G. Brunchin, in the North American Review.

As an artist it is rarely that a woman can translate her emotions objectively; in other words to comprehend the world and the human beings that are part of it, not as they touch herself, but as they affect the great lot of humanity.

Feminine poetry, moreover, when it is cheerful, is generally so in a superficial way; it is too often over-refined through an erroneous and typically feminine conception of the difference between refinement and truth. It is embroidery poetry, very apt to be sentimental and cloyingly sweet.

And only in rare instances does one find a poem written by a woman where the unpleasantness and even tragic truths of human relationships have not been carefully censored or glossed over.

### WARTIME WYOMING BUDDIES CONTESTING FOR SAME JOB

One Wants Court to Oust Other From Position of Adjutant General.

Cheyenne, Wyo.—Wyoming has the unique situation of World war buddies, both seriously wounded during the same battle and approximately at the same time, contending for the same office.

R. L. Esmay, recently appointed adjutant general of Wyoming, went into office upon the removal from the same post of Lieut. Col. Walter F. Davis. Now Davis is contesting the removal in the courts at Cheyenne.

Here's the coincidence—Esmay and Davis were in the same brigade and in the same division, the Ninety-first, during the World war. Both were in the battle of Argonne and it was Esmay who led a platoon to relieve that in charge of the then Lieutenant Davis.

A short time later, Davis, back to the front with his platoon, was shot in the leg, meanwhile Esmay had been shot twice in the head and once in the shoulder. They were sent to different hospitals. By chance they met each other in Paris shortly after they had been released.

Meanwhile in Wyoming, Esmay's father had received official notification that his son had been killed in France on September 23, which was four days before he was wounded. And Davis' wife, in Wyoming, received a message from Uncle Sam informing her that her husband had been seriously wounded. This message was dated weeks after Davis had been released from the hospital.

The war over, they returned to Wyoming. Esmay was appointed adjutant general. Came a change of administration and Esmay was removed and Davis appointed in his place. Esmay became a militia captain under Davis. Again a change in administration and out went Davis and Esmay was put back in office. Now Davis files a petition in the courts questioning the right of the governor to oust him from office.

### Lord Dewar of England Makes More Epigrams

London.—Life is a one-way street, and there is no coming back, according to Lord Dewar, famed whisky manufacturer and epigrammatist.

Here are a few of his latest epigrams which are now known as "De-warisms."

"Man was born to sorrow—when he gets too old to fall in love he gets gout. Sport gives the mind a holiday and stops you masticating the ponderous thoughts of life and its perplexities.

"The country that is considered in the forefront of civilization is the one which can make the most deadly poison gas and send missionaries to convert the heathen. No man can tell the discrepancies the Scotch have made for the benefit of civilization.

"Ninety per cent of those going back to the land are carrying golf clubs. The surest way to be happy is to get so busy that you have no time to be happy. Let us live our lives that the undertaker will be the only one who will rejoice when we die. Ability without enthusiasm and you have a rifle without a bullet."

### Food for Argument in Matter of Doughnuts

No matter how long a man has lived, he is likely to have a few incorrect ideas that right reasoning has never been able to correct. We knew a man once who sold doughnuts of his own fabrication. He had laid up quite a little money and was doing very well. He vended a large-holed doughnut and his argument always had been that, the larger the hole, the less dough in the doughnut. He specialized, of course, on large holes and small profits.

This was all very well until, one day on his rounds, he met an argumentative man. Unfortunately, the doughnut man, in a moment of confidence, expounded to him his theory of the large hole and small profits. The argumentative man shook his head. He spent some time at it, but he finally convinced the doughnut man that he had been working his business on a fallacy. The argumentative man proved to the doughnut vender, and by mathematics, that the smaller the hole in the doughnut, the less dough it took to go around it.

The doughnut man went home and figured over the matter so long and so intently that he was eventually bereft of his reason and had to be confined.—A. J. R. in the Minneapolis Journal.

### Reached Enemy's Heart Through His Stomach

Mrs. Laura Fraser, the original Becky Thatcher of Mark Twain's stories, related shortly before her death at Hannibal, Mo., how she had once gone through an experience as thrilling as any that Twain had created for his fiction. During the Civil war Mrs. Fraser's husband was a strong southern sympathizer and as he was a doctor he defied federal authorities in treating wounded Confederate soldiers. He finally was put in prison about the time that Gen. John McNeill came to Hannibal to suppress the southern sympathy and camped in Mr. Fraser's front yard while he picked out ten prisoners of Confederate leanings to be "converted" by a firing squad. Mrs. Fraser, fearing the inclusion of her husband, invited the general to a specially prepared dinner and he was so overcome with culinary delights that he ordered Fraser's release. But he reconsidered the next day and had him re-arrested, though he spared his life. —Detroit News.

### Effects of Malnutrition

Malnutrition is a condition of undernourishment or underweight. Children with malnutrition do not all behave the same way. Some are pale, dull and listless, with dark rings under the eyes, tire easily and have no ambition for work or play; their work in school is often so poor that they must frequently repeat their grades. Others are nervous and fretful, hard to please, and hard to manage; they eat and sleep badly. Still others are over-ambitious, constantly active, restless; they find it difficult to concentrate. (Children get into a condition of malnutrition because their growth is not watched. To grow in height and gain regularity in weight is just as much a sign of health in a boy or girl of nine or ten as in a baby.)

### NOTICE TO CREDITORS

Notice is hereby given that Helen Deyo has been appointed Administratrix of the Estate of Clinton Clifford Calvin Deyo, Deceased, and has qualified as such.

All persons having claims against said Estate are hereby notified and required to present the same, duly verified, to said Administratrix at Rufus, Sherman County, Oregon, within six months of the date of the first publication of this notice. The first publication is December 27, 1929. Helen Deyo, Administratrix. J. Tracy Barton, Attorney for Estate 4-t-d 27

### Dr. J. R. Morgan DENTIST

United States Dental Examiner for this district OFFICE AT MORO, OREGON

### W. C. BRYANT Attorney - at - Law

OFFICE PHONE MAIN 93 Moro, Oregon

### Crime Found to Beckon Uneducated and Idle

Washington.—The average criminal chooses the life of the underworld because he is uneducated, a nomad and devoid of family ties, the United States census bureau said in a report today.

"Throwing the light of scientific research on lives of nearly 20,000 state and federal prisoners confined for fel onies in the first six months of 1923 the bureau found unemployment a strong incentive to crime.

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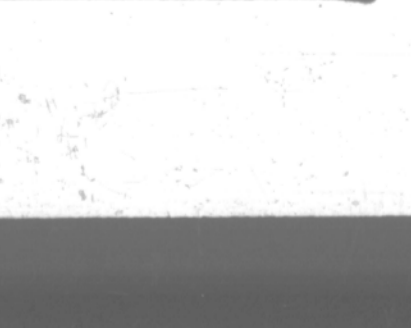
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