

The new Cascade tunnel, recently completed by the Great Northern Railroad, is the longest tunnel in the United States, being 41,152 feet, or 7.79 miles long. There are four longer tunnels in the world, all of them being located in the Alpine region of southern Europe. The longest tunnel in the world is known as Simplon No. 1, which is 65,734 feet, or 12.45 miles in length.

## SOCIETY

New teachers in the Las Vegas school system and school board members were entertained by teachers who have taught here on previous years in a delightful picnic lunch last evening at Lorenz's resort.

Games were played and the teachers enjoyed a general get-acquainted program of several hours.

### Eiffel Tower Moves With Sun's Course

By RICHARD D. McMILLAN  
PARIS, Sept. 16, (U.P.)—Probably United Press Staff Correspondent none of the 13,268,936 people, including many Americans, who have mounted the Eiffel Tower since it was opened to the public in 1889, were aware that the giant structure wobbled beneath them, twisting and turning like a thing of life.

The tower is heliostropic. In the warmer weather it suffers more from this structural malady than in the cold winter months, but all the year around it moves continuously.

In oppressive weather, the tower moved with the sun. During twenty four hours in the hottest time of the year the twist as the summit makes its eclipse from east to west amounts to 17 centimeters, roughly the width of three average size newspaper columns.

Since the tower rears its head 1,000 feet in the air it may be understood why passersby and even conscientious sightseers who mount to the top to look down on Paris are unaware of the wobble. As a matter of fact, scientists themselves have just discovered it.

For years a story has been generally believed by Parisians that the Eiffel Tower daily adds something to its height because of the atmosphere, but this is denied by M. Lheraut, one of the tower officials.

Telephone 437

**BAIR SIGNS**  
ANY KIND  
309 No. Main  
Just North of Gateway Hotel

### Las Vegans Help Break Marriage License Slump

Renewed activity has struck the local marriage license bureau, in the county clerk's office, after a lull of a little more than a month, during which time the record-breaking rate for the four previous months has been greatly reduced.

Saturday saw four couples issued licenses, one was given Sunday and four yesterday. Las Vegas and Clark county persons were included in the list.

Those given permits Saturday were Roy Haberstroh and Alice L. Thaxter, both of Los Angeles; Sam F. Herman of Las Vegas and Irene Franklin of Los Angeles; Harry H. Chatham of Las Vegas and Ruby Hafen of Bunkerville; and Vernon M. Dimick and Bertha Huntsman, both of Mesquite.

John V. Avent and Leona M. Goodwin, both of Los Angeles, secured a license Sunday.

Those who were issued permits yesterday were Edmund W. Bingham and Isabel L. Yorkman, both of Los Angeles; and John T. Plante and Ethel M. Cottle, both of Whittier, Calif.

Alberto Basquez and Aonsauzon Medina, both of Las Vegas, and Carl Luther Newby and Elinore R. Angell, both of San Francisco, were the other couples.

### Old Indian Scout Buried

KINGMAN, Ariz., Sept. 16, (U.P.)—The remains of Laughing Jack, one of the oldest Indian scouts in the Southwest, had been laid to rest near here after a great Indian powwow.

The old Indian served as scout under Gen. George Cook, and was discharged from service of the government soon after the close of the war with Geronimo.

### Woman Crawls Into Furnace, Lights Fire, Burns to Death

CUMBERLAND, Md., Sept. 16, (U.P.)—Crawling into a furnace, Mrs. Emma Insonia, 30, lighted a fire and burned herself to death in her home here today. The woman, mother of eight children, had been suffering with a mental disorder.

### Personals

Fred Floto left last evening for Los Angeles.

Ellen Ball of Las Vegas returned recently to her home here.

James G. Scrugham was in Las Vegas yesterday on business.

A. H. Wait, department of commerce airport specialist visited Las Vegas Saturday on business.

Mrs. Adam Kramer and daughter Doris returned Sunday from Los Angeles.

Jack Mitchell is in Las Vegas again after several weeks in California.

Miss Amy Hanson, deputy state superintendent of schools, is out of town for a few days.

Mr. and Mrs. George Wadsworth, Lucille and Claire Wadsworth and Edna Kramer left yesterday for Los Angeles.

Mr. and Mrs. H. D. Taylor returned Friday night from Bozeman, Mont., where they have spent several weeks on business and vacation.

R. H. Moise, of Los Angeles, Union Pacific fuel statistician, stopped over in Las Vegas yesterday on his vacation, to greet some of his many friends here.

F. O. Jacobson was in Las Vegas yesterday on business. He has been in Los Angeles for some time past.

Ed Clark is expected to return Thursday from Los Angeles.

Mr. and Mrs. John Dorward, who recently sold their interest in the Shell service station to Mr. Wilson, are now located in Battleground, Washington, route 1, according to word received here yesterday.

Miss Ethel Barcus of Los Angeles is visiting Beatrice Fulcher of the local Western Union office. She will be here for a stopover of a week, en route to Salt Lake City. Miss Barcus is employed by the Western Union in Los Angeles.

### Ill Health From Diets

GRAND RAPIDS, Mich., Sept. 16, (U.P.)—The extent to which tuberculosis is growing among girls and young women as a consequence of 19-day and other systems of dieting will be a leading problem for consideration when health leaders meet here for the annual convention of the Mississippi Valley Conference on Tuberculosis.

The three-day meeting will start Sept. 18, with delegates from 11 states attending along with doctors, nurses and health workers from all parts of the United States and Canada.

Other subjects on the convention program, arranged by the Michigan Tuberculosis Association, are the school system in the health campaign, adult health education, Christmas seal sale, and tuberculosis sanatorium administration.

Three hundred delegates have been named by health associations in Indiana, Wisconsin, Ohio, Michigan, Iowa, Missouri, Minnesota, North and South Dakota, Illinois, Kansas and Nebraska.

### Sonnenberg to Quit If Stecher Beats Him

LOS ANGELES, Sept. 16, (U.P.)—Gus Sonnenberg, recognized heavyweight wrestling champion, will retire from the game if beaten by Joe Stecher Wednesday night at the Olympic Auditorium or by any other opponent, according to friends here.

Gus declared to his associates that he planned to practice law in Detroit, Mich., if his title is captured by another grappler.

Oh, Boy They're Good

Whole Wheat Health Waffles

OR Delicious CREAM WAFFLES

With your choice of Honey, Syrup or Marmalade

Any Time At

WHITE CROSS DRUG CO.

Soda Fountain W. R. NELSON, MGR.

### WILBUR TELLS OF DAM WORK

(Continued From Page One)

for the sale of power, which must be let before actual work upon the dam is begun. Each of the proposed participants, except Arizona, has submitted a statement outlining views as to what the plant should be, how much power each wants, and what this power is considered to be worth. Consideration is now being given to these various statements. I may say that I was very favorably impressed with the constructive attitude taken by all the individuals participating in these conferences, and am confident that in the near future a scheme of organization will be outlined for the operation of the plant and the distribution of the power among the various prospective participants.

In order to cope with the many problems connected with the design of the dam and appurtenant structures, the force of employees in the Denver office of the Bureau of Reclamation, the headquarters of Chief Engineer Walter and his technical advisers, will shortly be increased from 60 to more than 100. This is necessary because of the immense amount of paper work that must be done in calculating stresses and drawing designs.

In addition to the dam proper, it is necessary to plan for and construct two cofferdams, one above the dam and one below, to provide for the diversion of the river during the period of construction, or until the main dam shall have reached a height sufficient to prevent its being over-topped by floods, and to keep the dam site dry. The upper cofferdam will be 80 feet high—a small dam in itself. Four great tunnels, each 50 feet in diameter and between 4,000 and 5,000 feet in length, will be designed and constructed to pass a flood of 200,000 second feet, with a freeboard of 20 feet remaining on the upper cofferdam and 10 feet on the lower. Two of these 50-foot diversion tunnels will be used as permanent spillways, with a combined capacity of 338,000 second feet, with the water surface at the top of the parapet on the dam. The other two diversion tunnels and two power penstock tunnels will be used as main supply tunnels for the necessary valve outlets, each of the four conduits supplying ten 72-inch needle valves. The discharge from the spillways, combined with that from the outlet works, will permit a total discharge capacity of about 450,000 second feet for passing the largest floods.

Work on the designs of these various structures is well under way in the Denver office, and all preliminary paper work will have been completed by the time funds are available for commencing actual construction.

The Union Pacific System is co-operating closely with the Bureau of Reclamation in planning for rail facilities to the vicinity of the dam. The present plan calls for the construction by that company of a branch line from Las Vegas, Nevada, to a switching yard about midway between that city and the dam site.

From this point, two roads will be constructed and operated by the Federal Government, one running to the rim of the canyon above the dam site and the other down into the canyon to a point just below the dam. The location of these railroads has already been surveyed and practically decided upon. The grades are heavy, but by no means impossible to the new forms of traction equipment available.

It will be recalled that the failure of the great French engineer, Ferdinand de Lesseps, in his heroic attempt at building a canal across the Isthmus of Panama, was due largely to the fact that the health of the workmen was not adequately protected and their living conditions were unendurable. It is recognized that the health and comfort of the workmen on the Boulder Dam are factors that cannot be overlooked, and plans are being made to provide these essentials to effective and economical construction. The dam will be built in a canyon 1,600 feet deep. For four or five months in the summer, life in that gorge will necessarily be uncomfortable because of the intense heat. The cost of the dam would be largely increased if we have a high turnover of employees. To guard against this, we must provide against the discomforts of climate and make life there as satisfactory as possible. The eight-year construction period makes this of the utmost importance, and special attention is now being given to these problems.

During my recent trip to the dam site plans were outlined for the construction of a camp for the engineers and workmen. There will be about 1,000 employees in that camp, with a total population of three or four thousand. We have selected a site, open to the breezes that sweep down the valley, with a fine view. The camp buildings will be constructed of a type suitable to the climatic conditions. The plans call for the construction of a refrigeration plant, and for pumping a domestic water supply from the Colorado river 1,000 feet below. As the workmen will toil at the bottom of the canyon, we propose to construct great elevators twice as high as the Woolworth Building, with a lift of 1,000 feet, to carry the men to and from their work.

Upon completion of the dam, the construction camp will be a permanent town located on the margin of an artificial lake 100 miles in length, and will be a natural health and scenic resort, situated on the connecting roadway over the completed dam from Kingman, Arizona, to Las Vegas, Nevada, and forming a link in the great chain of automobile travel routes through scenic America.

This, in brief, is the present story of Boulder Dam, and our plans for its construction! What it means to the Imperial Valley and to the industrial development of the Southwest is well known. Certainly it marks a great forward step in the conservation of our natural resources and in putting them to constructive use.

—By Ray Lyman Wilbur, in "Southern California Business," Sept. 1929.

### Clever Newspaper Play at El Patio

El Patio theater, where "The Lightning Reporter" will play tonight, has answered the insistent cry of the public for better pictures by presenting this gripping photodrama, which by its powerful human appeal is far above the usual run of pictures.

It was produced by the Ellbee Pictures Corporation and is the story of a titanic struggle for financial supremacy between two Wall Street magnates, shot through with the cleverness and brilliancy of Jimmy Biayne, the "Lightning Reporter," who outwits the sinister Howell from ruining the absent Barlow and tying up the aforesaid Jimmy in one of Cupid's matrimonial knots and how he does like it, as what red-blooded man wouldn't like the arms and heart of beautiful Ruth Barlow.

The tricks and extremities that the "Lightning Reporter" is forced to resort to before he gets his "story" include some of the most hair-raising automobile driving and railroad train jumping ever filmed. Jimmy's pursuit of the train on a motorcycle is almost a comedy which soon develops into a near tragedy.

### San Francisco Pair Wed at Boggs Home

At the home of Mr. and Mrs. O. C. Boggs last evening Carl Luther Newby and Mrs. Elinore Reavis Angell were married by the Rev. C. S. Sloan, of the Baptist church.

Leonard R. Payne was best man, and Mr. and Mrs. Boggs were witnesses. Others present were the Hon. and Mrs. James Ogden Reavis, of Bakersfield and Elton Garrett, a dinner party at Canary Cottage was enjoyed following the ceremony at the Boggs home.

Mr. and Mrs. Newby will make their home at Menlo Park, Calif. Mr. Newby is employed by the Metropolitan Life Insurance Company.

### School Has New Power Lawn Mower

A brand new power lawn mower is expected to be humming over the Las Vegas high school lawns some time today, cutting a twenty-inch swath, as soon as A. J. Barnum, gardener, can get the new machine unpacked.

It arrived yesterday from the factory, in care of the Clark Forwarding Company. It's a gasoline mower, and will add greatly to the efficiency with which the lawn can be kept.

District Highway Engineer C. C. Boyer is in Los Angeles on business. He is expected home Thursday morning.

**WAREHOUSE REMODELED**  
The Las Vegas Motor Express, on Fremont street near Fifth, is having its warehouse remodeled for the winter storage of its equipment. The Las Vegas Construction Company, Inc., is in charge of the work.

### EL PATIO Open Air Theater

Best Shows at Cheapest Prices

### TONIGHT 'The Lightning Reporter'

A Clever Newspaper picture, Also RKO Comedy.

### TOMORROW 'Forest Havoc'

A Stirring Drama of Love and Lumber

Smoke if You Like

### Convenient -- LAS VEGAS-RENO

Direct Route of Travel

Cadillac 7-Passenger Sedan Stages:

Lv. Las Vegas 7:30 a. m. Arr. Goldfield 3:30 p. m.

Thence by T.-G. & S. P. R. R. to Goldfield, 4:00 p. m.

Arr. Reno, 6:30 a. m.

Lv. Reno, 7:05 p. m.

Arr. Tonopah 7:30 a. m.

Lv. Tonopah 8:30 a. m.

Arr. Las Vegas 4:30 p. m.

DAILY EXCEPT SUNDAY

Fare—Las Vegas-Reno, one way, \$24.50. Round-trip (16 day limit) \$38.50.

Kimball Stage Co.

OVERLAND HOTEL, LAS VEGAS, NEV.

# Printing - of personality....

## is a necessity of the business man



The AGE has a modern plant and staff of competent employees dedicated exclusively to the creation and manufacture of Good Printing.

It's Good Business to buy Printing done by

**THE AGE**

'Better Printing Costs No More'

### THIS IS YOUR COUPON!

THE NEW FOUNTAIN PEN SENSATION IT IS WORTH \$5.51

One year Guarantee with each pen. Ladies' and Gents' sizes. **FREE** Unbreakable. No clogging. Steady flow.

Bring this coupon and only \$1.40 and take your choice of a regular \$7.00 pen and pencil set. Choice of pastel colors—and we will give you absolutely FREE a regular \$1 propel, repel and expel pencil to match—a \$7.00 value for \$1.49. This offer good Tuesday and Wednesday only, September 17 and 18.

LAS VEGAS PHARMACY FIRST AND FREMONT



### Your Ice Man Says:

"Lady, I've been delivering ice for six years now and I've never had anyone complain about short weight. What's more, every ounce of the thousands of tons I've delivered was pure, frozen distilled water.

Just ask me for an ice card. It's your badge of summer coolness"

Phone 75 NATIONAL ICE CO.

### SOON!!! INDUSTRIAL PROPERTY

Warehouse Sites Light Manufacturing Sites On the Railroad, and arrangements made for spur service.

Close in—City water to be furnished. Several applications already in

Get in touch with us NOW for Special Advance Information



F. O. BOX 278 PHONE 169 E. A. FERRON, MANAGER