

# LOWER CALIFORNIA IS SLOWLY RISING GEOLOGISTS AVER

WASHINGTON, Jan. 17.—Lower California, the long, narrow peninsula of western Mexico, which stretches southward from the United States-Mexican border, is reported to be slowly rising from the sea. Surveys show the land area to be growing wider, while the elongated Gulf of California, between the peninsula and the mainland of Mexico, is steadily becoming narrower and shallower.

"The rising of a considerable area of land is not some strange portent of a world cataclysm," says a bulletin from the Washington, D. C., headquarters of the National Geographic society. "It is a perfectly orderly process of nature that, together with the sinking of other areas, has been going on for hundreds of millions of years."

**The World's Ups and Downs**

"Poets may talk of the 'everlasting hills' and 'terra firma,' but science must take these terms in a most Plinian sense. The 'everlasting hills' are washed away rather promptly; and the 'firm earth,' if one considers it over periods of geologic time, rises and falls as though riding on some cosmic seas."

"It is fortunate for man and his development that the solid earth has not been a static, unmoving thing. Had it not reacted to the grinding of the waves and the ice sheets, and to the burdens these forces placed upon it, it is highly probable that the earth would be a square foot of dry land today; but that instead an ocean, two miles deep would cover the whole globe."

"The latest geological thought sees in the continents masses of relatively light solid matter which float on hot, glassy, material some 40 or more miles below, much as icebergs float in water. The ocean basins are looked upon as underlain by heavier solid matter which does not float as high as the light land. There is a balanced condition; but various forces are constantly tending to disturb this balance. To regain its balance the land must readjust itself: warping up here and down there; rising a bit vertically at one place, and sinking somewhat at another; or perhaps shifting a little horizontally."

**Erosion One of Chief Causes**

"Several forces, operating usually over very long periods, make these readjustments necessary. They are: contraction of the earth, because of cooling; causes squeezing at certain points. The very slight slowing down of the earth's speed of rotation undoubtedly causes other changes in pressure, even though the loss may amount to only a few seconds in millions of years. One of the most potent of the forces, however, is more easily observed at work, and operates over shorter periods of time. This is erosion. Heavy burdens of rock are washed away from one place and deposited at another, thus throwing the balance out. The region which has its load reduced tends to rise; the area which receives an additional burden tends to sink. Later, this situation is changed, for when the lower portion of the sinking material is forced into the hot, plastic material far down, it melts, and owing to expansion and the generation of gases, it rises somewhat as bread dough rises when it is baked. This is one of the factors in mountain building."

"With all the evidence of past risings and sinkings (or uplifts and subsidences, to put it technically) before us, it is only to be expected that places can be found in the world where the processes can be observed at work over a series of years. Sometimes the earth's ups and downs occur very suddenly in connection with earthquakes. A part of the coast of Alaska rose 47 feet over night in 1899 as the result of a severe earthquake. After the Messina earthquake of 1908 a considerable area of the 'toe' of Italy and the eastern coast of Sicily was found to have sunk several inches. The Japanese earthquake of 1923 changed the depth in Sagami Bay, south of Tokyo and Yokohama, by hundreds of feet, and some sections of the shore were raised six feet."

"In some parts of the world slow movements have been in progress for long periods without, apparently, being accompanied by serious earthquakes. Portions of the upper Baltic region are rising at the rate of about one foot each 20 years; and at the same time sections of southern Denmark are sinking at the rate of one inch in 25 years. One of the world's best examples of slow uplift in the past is found in the region of the Grand Canyon of the Colorado. Geologists explain the tremendous depth of the erosion in this great gash by the gradual rising of the region while the river cuts its way. It is somewhat as if one pressed a block of wood upward against a saw moving at a fixed level."

**CHICKEN A LA KING AT HUNT'S CRATERIAN**

You can see a funnier with King Sunday.

Low Dunbar, his famous pal of many a merry show, said when he first saw King in his new, straight character, he laughed till he cried. King laughed, too. Everybody laughs. You'll laugh.

It is said to be a rare dish—this "Chicken a la King," one of Fanchon & Marco's greatest presentation hits.

There are twenty spectacular scenes in the presentation, from a tender little home-like scene to the night club scene where there are a galaxy of glorious girls—and a vampire!

In the cast, King presents Oscar Taylor, California's greatest baritone, June Clyde, vivacious songstress (and the vamp, by the way) Low King's lieutenant of laughter, Murray Poek, tenor who made his mark on Broadway; May Packer, dancer, who presents an entrancing oriental dance—and the beauties!

On the screen, Bebe Daniels in "What a Night!"

**Eat at Pastor's Expense**

BRIDGEWATER, Va.—(AP)—Members of the Methodist church here have suggested a feast at the pastor's expense rather than in his honor. The Rev. E. A. Wilcher bagged four robbers in turkey hunts this season. They aggregated 49 pounds.

**Find a Way to Stop Attacks of Fits**

Reports are received of an amazing treatment that epileptics state has proved successful in stopping their attacks. R. Lepso, Apt. 107, 835 Island Ave., Milwaukee, Wis., has been assisting sufferers with this treatment. He now wishes to reach all those who have not been helped and to do so is making the startling offer of a generous treatment free to all sufferers. Any one afflicted should write for this free treatment at once, giving age.

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# Inventor Explains Fuel Pump



A. M. Babitch, inventor of the fuel pump (center), describing to John C. Wood, Oldsmobile executive engineer (right), and Grant B. Sturgis, technical supervisor of Oldsmobile service (left), the six years of research and testing work required to perfect the fuel pump used on Oldsmobiles.

# SHUBERT'S REVEL IS COMING SOON

Eager-eyed connoisseurs of feminine plasticity are anticipating the advent of the new "Gay Parade" to Hunt's Craterian on Wednesday evening, January 20.

Ferres Shubert says the 1928 version of the show is "L'Edition du Balles Quatre Arts" (Four Arts Ball Editions).

From the inception of the "Gay Parade" series several years ago the aura of the boulevard, of Montmartre and of the Parisian studio scene, has been marked. In the coming exhibition the Gallic flavor is even more apparent. With the exception of the all new rural characterizations of "Chic" Sate and the bash jovialities of Stanley Rogers, one might well believe oneself in an orchestra seat at the Folies Bergeres or Moulin Rouge.

"Gay Parade" this is the third and all new edition, has been associated in mind with excellently balanced casts and a performance excelling in speed. In both of these the current revue lives up to its reputation. In addition to Sale and Rogers the roster includes: Frank Gay, La Futchra, claimed to be the loveliest being in the world, Sylvia Ernos, Franklin Balle, Kelo Brothers, Margie Evans, Margherita Morano, Virginia Murray, Lillian Herbert, Olive Reese, Geshelroy & Holly, Charlotte Terry, John McDowell and Charles Mac.

An extra feature is promised in the famous Berkhoff troupe of girls and a popular gathering of fair girlhood.

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# OIL INDUSTRY SHOWS PROSPEROUS CONDITION, 1928

In great contrast with the conditions that prevailed during 1927, the oil year just ended introduced a new period of prosperity for the petroleum industry. The transition

for motorists to profits has been rather rapid with perhaps the refinery and marketing companies participating more generally in improvement than the strictly producing concerns.

Over-production was the great ill of the business during 1927; but that has been overcome to great extent by restriction programs, which probably will be given wider application during 1929. Also such programs previously have been confined to the larger fields of the United States, it would not be surprising if the leading world companies also would co-operate. This would pre-

vent excess production in points elsewhere in the world, and effect great stabilization.

During the first ten months of 1927 crude petroleum production totaled over 711,000,000 barrels. For the same period of 1928 it totaled slightly over 741,000,000 barrels. This tendency aids to solve the major problem of the industry—that is, the maintenance of an even balance between the current crude supply and the demand for refined products.

When statistics are compiled showing the results of the year's work, it probably will be found that practically every important company in the industry has recorded at least a moderate improvement in earnings for 1928, extending perhaps in some cases to about 40 per cent above the profits for 1927.

This gives grounds for optimistic forecasts for the new year, which the industry should enter in healthy physical and financial positions, and with prices for products established at profitable levels.

Preliminary studies of the curly-top disease in this state have enabled the Oregon experiment station to plant a few varieties or strains of truck crops subject to this disease that are apparently highly resistant. Growers in those sections of the state where curly-top or yellow leaf disease is prevalent, may obtain additional information by writing to the station or to the county agent.

Many Oregon home orchards contain trees of varieties not desired by the owner at this time. These may be top-worked to more desirable varieties by anyone willing to take a little time and care with the work. The ordinary cleft graft is suitable for apples, pears, prunes or plums. Further details of the work may be had from the Oregon experiment station.

# Detroit Protects Pedestrians



Detroit is trying out a new traffic control signal, designed to safeguard pedestrians crossing busy thoroughfares. It warns those about when it is too late to beat cross traffic.

DETROIT — (AP) "Beating the amber" long has been a hazard of the motorist has gambled with in traffic, and the police, as a rule, have let the daring one suffer the consequences, either in traffic court or in collision suits.

Not so with this pedestrian, however, for the police, in their safety first campaign, have given thought to those about. A new signal device, designed to save the pedestrian from being caught in the center of the street as the traffic signal changes from green to red, has been installed at Woodward avenue and State street, Detroit's busiest intersection.

The device, developed by Inspector William L. Potts, head of the signal division of the police department, warns pedestrians that they cannot get across the street before cross traffic will start to move.

A round box, with a glass face on which is lettered the warning in black print, constitutes the new device. Four have been installed at the busiest corner, the warning varying slightly in phrasing. One reads: "Pedestrians: Stop; Too Late to Start." Another reads: "Pedestrians: Stop; You Cannot Get Across."

street flash, their warning nine seconds before the light starts traffic across Woodward avenue. The lights on Woodward, some what wider, are timed to give their warning 11 seconds before cross traffic moves.

**Artists Free**

BERLIN—(AP) Germans who are members of the Federal Association of artists are henceforth entitled to free admission to all museums and publicly owned galleries within the Reich.

**Squirrels Play Santa**

WEBB CITY, Mo.—(AP) Hunters in the annual Elks rabbit hunt bagged 413 bunnies for distribution among the city's poor at Christmas.

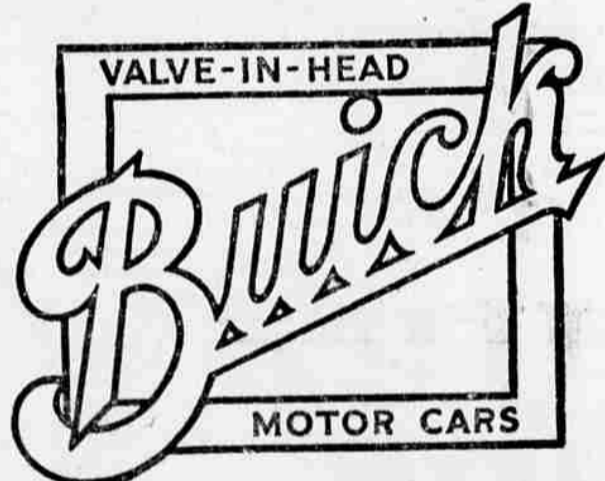


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During the last four months of 1928 Buick outsold its nearest competitor in Jackson County by more than 2 to 1.

In the entire United States, Buick won more than twice as many buyers as any other automobile listing above \$1200!

Such is Buick's phenomenal record for 1928. And this same overwhelming buyer-preference has greeted Buick year after year for more than a decade!

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