

# CRATERS OF MOON CAUSED BY BUMPS

### Professor See Says Satellites Rammed Into Lunar Body at Mile a Second.

## CAPTURE THEORY PROVED

Planets Taken by Sun and in Turn Attract Satellites, Which Affect Obliquity—Earth Gets Moon 400,000,000 Years Ago.

SAN FRANCISCO, Cal., Nov. 27.—Extending and completing his researches on the origin of the planets and satellites of the solar system, Professor T. J. See, United States Navy, astronomer in charge of the Naval Observatory at Mare Island, gave tonight to the Astronomical Society of the Pacific an explanation of the origin of the craters on the moon, and then proceeded to apply the new theory to the obliquities of the planets, which he said overcame the last difficulty in the way of the "Capture Theory," recently advanced by him as supplanting the nebular hypothesis of Laplace.

Theory Will Be Accepted. Professor See remarked that there would now be less difficulty in seeing the truth of the impact theory than formerly, because he had recently proved the moon is not a part of the earth thrown off by rapid rotation, but a planet captured from space.

Dr. See said the typical crater on the moon was a large circular depression with steep walls inside and sloping walls outside, and a small peak in the center, with the top of it below the average level of the lunar surface. If anyone supposed the craters to be volcanic, it was impossible to account for the depressions where the craters stand; and no forces directed from within could dig out the circular trough about the peak in the center. Then, too, the way the craters lie over one another shows that they are nothing but satellite indentations. About the newer craters, the bright rays radiating in all directions show that at the time of the collisions the force of the impact was such that matter was melted, vaporized and driven out from these centers in all directions. A satellite hitting the moon might have its temperature raised to 4000 degrees or higher, and the bright rays from the craters were due to the scattering of highly heated matter.

Target Shot Resembles Crater. The blazing flash seen in target practice when a shot hits a target was familiar to officers of the military service, and the flattening and spreading of the projectiles was such as to give a peak in the center, and a rim or shell, while at the same time a rim is formed around it, just like that seen about the craters on the moon. But the shot fired in the target practice on the earth is as nothing compared to that in the heavens, where satellites from 20 to 400 miles in diameter have been hurled against the lunar surface with a velocity of over a mile a second, and thus produced blazing configurations sometimes covering the whole side of the moon.

In a second paper presented tonight, Dr. See explained the obliquities of the planets in relation to the ecliptic against their surfaces. He said he had discovered the cause of the obliquities from the case of Jupiter, whose axis is nearly perpendicular to the plane of its orbit. At one time, Jupiter's obliquity was larger than that of the earth or even Saturn, 28 degrees, but as the greater planets have been passing the satellites moving about the sun in planes having the average position of the Jovian orbit, the equator had been tilted, and the obliquity reduced. In this way had arisen the small obliquity of Jupiter, and a similar influence had acted upon the other planets, and the result was that practically disappear if that planet could gather in enough satellites to make the mass as large as that of Jupiter. The obliquity of the earth, which the seasons depend, is smaller than that of Mars, and Professor See said that the obliquity of Venus probably was smaller yet, not exceeding 20 degrees.

What Dr. See Proves. In conclusion, Dr. See announced that he had now proved that the planets had been captured by the sun, and that their orbits had been gradually reduced in size and rounded up under the secular action of a resisting medium; that the satellites likewise had been captured by their several planets and had had their orbits transformed in the same manner; finally, that the moon had been captured by the earth, and the craters on its surface had been formed by the impact of satellites when the moon revolved among the asteroids or further out. The time involved in the formation of the solar system was to be reckoned in billions of years and something like four hundred million years may have elapsed since the moon was captured by the earth. In conclusion, he said all the principal phenomena of the solar system were now fully explained in accordance with known mechanical laws, and astronomers had gained a new insight on the origin of the systems of the universe.

## Taft's Schedule Altered

Monetary Body May Not Report, Postal Banks to Wait.

WASHINGTON, Nov. 27.—Recent conferences at the White House have pretty definitely developed two facts in connection with the universal programme of the Administration at the coming session of Congress. The first is that there is no probability of the Monetary Commission's report being presented or considered. The second is that legislation looking toward the establishment of a system of postal savings banks will have to wait until the Monetary Commission's report is made, and a new currency law enacted. Representative Weeks, of Massachusetts, chairman of the House Committee on Postoffices and Post Roads, and Senator Lodge, of Massachusetts, called on the President today, and when he left the White House Mr. Weeks said it practically had been determined that postal savings banks would not be considered at the coming session.

This does not mean that President Taft will not recommend such a system of banks in his message, but it is understood the chances are that he will agree to a postponement of the consideration of this measure until next year. One of the arguments which the President has used in connection with the establishment of postal savings

## Highly Efficient Formula

FOR NERVOUS MEN AND AILING WOMEN.

Coming from a source of unquestioned authority on the ailments of men it is presumed to be infallible, while the profession generally endorse the ingredients and prescribe them in many different forms of various diseases. The following formula is highly efficient in quickly restoring in nervous exhaustion, melancholia, anxiety, timidity in venturing, trembling limbs, insomnia, thinness, cold extremities, tired-ill, in feeling and general inability to do those natural and rational acts upon which depends a man's success and happiness in social and every-day life. The instructions for mixing at home secretly so that no embarrassment may be felt, are as follows: First get three ounces of syrup aescapilla compound and one ounce compound fluid balm-wort; mix and let stand two hours. Then add one ounce compound essence cardiol and one ounce tincture cadomene compound (not cardamom), and mix all together. The directions are to take one teaspoonful of each meal and one when retiring, until bounding health and full strength are restored. Even a few weeks will witness most wonderful results. Astonishing nervous force and equilibrium follow the treatment, no matter how serious the case. This contains no opiates whatever and may also be used by women who suffer with their nerves, with absolute certainty of prompt and lasting benefits.

banks is that the money secured through these agencies as deposits could very well be used in taking up the 2 per cent Government bonds which are a drug on the market, and which the President thinks should never have been issued at a low rate of interest.

## WHOLE FAMILY IS SLAIN

FATHER KILLED DEFENDING WIFE AND CHILD.

Brute Drags Woman Into Woods After Hard Struggle and Shoots Her Through Heart.

FRONTENAC, Kan., Nov. 27.—A lonely road a mile north of here was the scene of a triple murder and an assault on a woman some time last night. The dead are Mr. and Mrs. William Bork, Germans of Frontenac, and their son two and one-half years old. The attack on Mrs. Bork is the supposed motive of the crime. Bork presumably was killed while trying to defend his wife.

The child probably was slain because the murderer wished to silence him or feared he had been recognized by the little one. Mr. and Mrs. Bork and their child were last seen alive last night, when they started to drive home to Frontenac from the home of Mrs. Bork's mother at a point two miles in the country. This morning the Bork's horse and buggy were found standing in the roadway at a deserted spot.

In the bottom of the buggy was discovered the body of the child, with a bullet wound in his head. Hastily pursuing their investigations, the searchers came across the body of Bork, lying in the middle of the road some distance away. Bork had been shot once in the head and twice in the body.

Trail through the dust plainly led the searchers to a cornfield a hundred feet away, where they found the body of the woman. An assault had been committed upon her, and she had then been shot through the heart. Mrs. Bork had fought hard. Along the trail to the cornfield were found the slippers she had worn, ribbons from her hair and her cloak. There had been a desperate struggle in the field. It is supposed that Bork was the first to be killed. The indications were that he had been shot as he sat in the buggy, and that he fell from his seat to the road. Two bullets evidently were fired into his body after he fell. Another bullet then ended the life of the child.

Bloodhounds were sent for and will be used in an effort to trace the slayer, who left no clew.

## WALSH'S NOTE MADE GOOD

Property Will Be Turned Over to Settle \$7,000,000 Claim.

CHICAGO, Nov. 27.—It is understood that the guarantors on the note for \$7,000,000, given by John R. Walsh to the Associated Banks, have about formulated a proposition which they will make to the banks. Nearly \$1,000,000 of property is pledged by the guarantors in addition to that scheduled by the Walsh note. The payment of the note, the stipulation being that the property pledged by Mr. Walsh shall be exhausted in satisfaction of the amount before that of the guarantors is touched.

In a general way it is understood that the guarantors will offer to surrender their property to the banks, under an agreement that in the event a certain price is secured for the Walsh roads and other properties, the guarantors will get back the full amount of their property. This plan was suggested in order to save wasting the value of the property in needless litigation.

## BIG STORMS CUT CABLES

Three Isles in West Indies Isolated, Madagascar Mumm.

NEW YORK, Nov. 27.—Heavy storms in the eastern zone of the West Indies have again cut off from cable communication the Islands of Antigua, Guadalupe and Martinique. The West Indian & Panama Telegraph Company reported today that cable communication with the three islands was interrupted, and that telegrams for those islands will be forwarded from neighboring stations at frequent opportunities.

On the other side of the world the island of Madagascar is today also cut off from communication. No causes are assigned for the interruption by the cable company, which states that "a mail opportunity is offered from Zanzibar at noon on November 28."

## Diagnosis Proves Rabies.

SACRAMENTO, Cal., Nov. 27.—The first authentic case of rabies or hydrophobia in California has just been proved by a diagnosis conducted by Dr. George Hart at the State Hygienic Laboratory at Berkeley, who reports that tests of infected animals killed in Los Angeles and Pasadena show proofs of the presence of the disease. Dr. Keane, State Veterinarian, regards the situation as alarming.

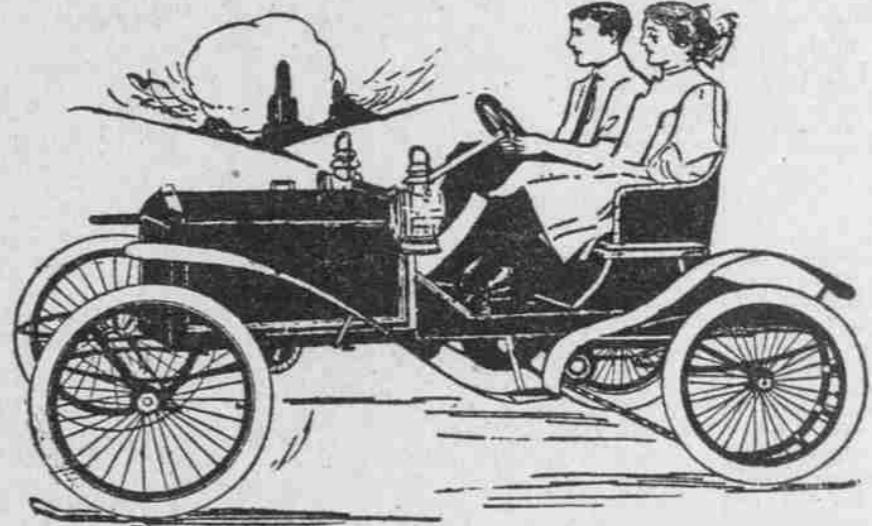


# Full Value for Your Money

At these stores of GOOD VALUES—together with the largest and best assortment of READY-TO-WEAR apparel in the city—justifies us in inviting your trade—so

## BOYS and GIRLS

When you ask your friends to make their purchases here you are simply doing them a kindness—and if in addition you TRY for one of these AUTOMOBILES



there is no good reason why you cannot obtain one. We are going to give FIVE of them away—and no boy or girl has any great lead as yet. So begin tomorrow and enter the contest in REAL EARNEST and you may yet have the pleasure of riding 10 miles an hour at our expense.

# BEN SELLING MOYER

Fourth and Morrison

3d & Oak 1st & Yamhill 1st & Morrison

## DR. COOK VANISHES

Only One Man Has Secret of Whereabouts of Explorer.

## HE IS TAKING NEEDED REST

Explorer Suddenly Drops From Sight, Not Even Telling Bradley of His Plans—Friends Are Loyal, but Mystified.

(Continued from First Page.)

responded to a wireless message after his vessel had left port, as follows: "No one on board resembling Dr. Cook. Name not on passenger list." J. A. McCubin, purser of the Caronia, also replied to a wireless message as follows: "Unable to find Dr. Cook on board the Caronia."

## Not With Friends Ashore.

From other sources it was intimated Dr. Cook might be at the Hotel Chateaufort, Atlantic City, as a guest of his friend, C. F. Wyckoff. The hotel management said neither Mr. Wyckoff nor Dr. Cook was registered there, but Mr. Wyckoff was found at the hotel subsequently. He said he knew nothing of Dr. Cook's whereabouts.

## This Man Knows, Won't Tell.

Mr. Wack in admitting he knows where Dr. Cook is, declined to give his address or to account in any way for the doctor's sudden and mysterious disappearance. Said Mr. Wack: "In the circumstances, he is at perfect liberty to make what plans he chooses. In due time he will give an account of himself and until then I hope he gets the rest he thoroughly deserves. The children are at school, and Mrs. Cook has left the Gramatan Inn and come to the house of a friend in this city."

## Bradley Feels "Sore."

John R. Bradley, who is thoroughly exasperated with the whole situation, said: "I am heartily sick of all this mystery. Dr. Cook is under no contract to me. He can come and go as he chooses without seeking my advice or consent, but I did say today to Mr. Wack, when I read in the papers that Dr. Cook had sailed, I should feel properly sore, and that I should feel I had a right to feel sore, if the doctor had left for an extended trip without saying good-by to me. I don't know where he is any more than you do. If he is in this country, it's all right. But why didn't he say outright where he was going?"

## "I still believe in him. My stand tonight is just what it was the day he landed. He has my allegiance until the University of Copenhagen has disproved his claim."

At the Gramatan Inn it was said Dr. Cook departed on Wednesday last. Mrs. Cook left in the afternoon. No one at the hotel would admit they knew of Dr. Cook's whereabouts, al-

## DR. COOK VANISHES

Man Straps Self to Bed, Then Fires at His Heart.

## ARM TIED FOR SURE AIM

CHICAGO, Nov. 27.—(Special.)—Strapping his arm to make sure of his aim, George Burch, 51 years old, a paralytic of Brockport, N. Y., shot himself through the heart in his room in the Western Hotel, Harrison and State streets.

After placing a strap around his body, he tied himself tightly to the bed. He then tied his right hand securely to a bedpost, pointing directly toward his body. The revolver, in his right hand, also was strapped. The bullet penetrated his right side to the heart.

## BROTHERS ARE SHOT DOWN

Double Killing at Houston Is Result of Previous Murder.

HOUSTON, Tex., Nov. 27.—Paul and Lee Dunham are dead, and Ed Weber is under arrest charged with their murder here today. The killing is the sequel to the shooting and wounding of Sam Weber, a brother of Ed, it was alleged, by one of the Dunham brothers.

## Warehouse to Be Built.

VANCOUVER, Wash., Nov. 27.—(Special.)—A \$6000 general warehouse will be built by A. Rawson near the railway on property bounded by Twelfth, Thirteenth, Moore and Lincoln streets. Mr. Rawson has written to the North Bank Railway asking for a switch to the site, and expects to begin construction in a short time.

Photographic shorthand writing was recommended by Pitman in 1837.

## "77"

Humphreys' Seventy-Seven Famous Remedy for Grip & COLDS

Indian Summer is most prolific in its crop of Colds—a dangerous time for careless people. Be prudent, carry in your pocket a vial of "Seventy-seven," and take a dose at the first feeling of lassitude and weakness and head off a Cold that otherwise might hang all Winter. Fits vest pocket. Druggists, 25c.

Humphreys' Homeo. Medicine Co. Cor. William and Ann Streets, New York.

## For TILLAMOOK Steamer Sue H. Elmore

Will receive freight Couch-street dock, commencing Monday, Nov. 29, 23 per ton. Passenger rates from Portland \$7.50; from Astoria, \$5. Telephone Main 561.

## ACTOR OUT; PROBE ON

POSTAL INSPECTOR LOOKS INTO SEVERAL DEALS.

## Nat Goodwin's Recommendations

CHICAGO, Nov. 27.—(Special.)—The firm of B. H. Scheffels & Co., of New York and Chicago, is to be made the subject of an inquiry by the Postoffice Department, following a complaint made to Postoffice Inspector Stuart here today. The matters which culminated in this action, say the persons connected with the firm here, grew out of attacks by men with whom the concern has been in litigation in New York, and the resignation as vice-president of Nat C. Goodwin, the actor, just announced.

The firm's recent tribulations appear to have had their beginning in a sudden break in its favorite security, Big Central, which dropped from \$4.50 to 50 cents in one day. Later the Rawhide Coalition fell from \$1.50 to 25

cents. Both these stocks, it was reported, formed a large portion of the Scheffels Company's dealings.

Then Mr. Goodwin's resignation on the reported grounds that the "company's securities sold to the public are practically worthless," was a hard blow.

## Football Tamed Murderous.

RICHMOND, Va., Nov. 27.—Colonel John S. Mosby, the Confederate guerrilla chieftain and later Land Commissioner of the United States, denounces football as worse than actual warfare. He maintains that the great number of fatalities represent so many murders, and proclaims that the past and present ideals of manhood in the great American universities represent the difference between Stonewall Jackson and a pugilist. "The defenders of such sport," he says, "develop the manhood of youth. I deny it, unless by manhood they mean physical strength. My idea of manhood is a sense of honor and courage, and such qualities may exist in a weak body."

## Rail Complaint Probed.

SALEM, Or., Nov. 27.—(Special.)—Carey & Kerr, a Portland law firm, has written the State Railroad Commission that the law firm has investigated the demand of residents of Warren, Or., for an agent and better station facilities at

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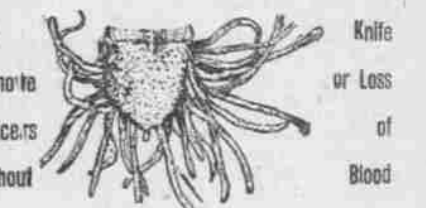
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## WARRIN, CAREY & KERR STATE THAT THERE ARE ONLY THREE STORES AND NOT OVER A DOZEN HOUSES AT WARREN, AND THAT MANY OF THOSE WHO SIGNED THE COMPLAINT ARE EITHER NON-RESIDENTS OF THE TOWN OR HAVE NO BUSINESS OF ANY KIND WITH THE RAILROAD.

# CANCER



If you have a tumor, ulcer, skin spot or any abnormal growth that may be a cancer, come at once and consult a doctor that knows how to remove and cure a cancer. Don't lose time and money with Electricity, X-Ray, Violet Ray, Radium or other frauds, none of which will cure true cancer. For 20 years cancer specialist.

American Cancer Company Room 21 Raleigh Building, Portland, Oreg. 21.

Robinson Says:

### For Value in Wear In Style, in Fit

no clothes in the world will give you the service and satisfaction that

## STEIN-BLOCH SMART CLOTHES

will. They are not cheap clothes—they are clothes that place a man in his proper niche before the world. Their materials are high-class. Their workmanship, style and fit are recognized in America and England as the highest development in tailoring that can be found today. We have these clothes at your disposal, and ask you only to try on—not to buy.

WASHINGTON AND FIFTH STREETS