

## PERSONAL AND SOCIAL

### CULLING A COPPER LEDGE.

The American Boy Mine under the management of A. F. Gros, is making great headway in tunnelling their mine. The tunnel is now thru to 2328 feet. They are now culling a copper ledge which began at 2323 feet and the whole breast is still in copper ore.

### GONE TO PRESCOTT

C. A. Pearce and family motored to Prescott last week to be gone ten days or more. Mr. Pearce, is doing some engineering work, and the family went along to enjoy an outing.

### HAVING EX RAYS TAKEN.

Dr. Oxford, motored over to Nogales Tuesday, with Charley Martin, who has a badly sprained ankle, and Martin Wilson, who bruised his right hand very painfully last week. The Doctor took them to Nogales to have their wounds x-rayed. Both men are in the employ of the American Boy Mine.

### IT RAINED ALL RIGHT

Last Saturday and Sunday we got the first real rain of the season. It came down in torrents and kept it up so that the both rains did a great deal of good.

The rain was not only local, but San Rafael Valley got a good rain at the same time. The crops in the Valley are looking good.

### CO SHOPPING

Mrs. Blabon and Mrs. Hooks motored to Nogales Tuesday, to go shopping.

### NEW TEACHER HERE

Edwin Van Doren, arrived in Patagonia last week to get located before the new school term. Mr. Van Doren, will be the Agriculture and mathematics teacher this year in the P. U. H. S.

### CEMETERY DEFICIT

The cemetery committee has been worrying to find ways and means to meet the deficit that they are short to pay for the improvements made at the local cemetery. Work was done with the money on hand and other work which had to be done to finish it ran over \$30, and now they have no money to pay the deficit.

### NEW ESSEX COUPE

James Gallagher, of the January mine is riding round in a new Essex roadster, and its a classy little boat, with all the latest fixings.

### J. KENT FRYER, GOES TO TOMBSTONE

J. Kent Fryer, has purchased the Routh restaurant in Tombstone, and he is remodeling it along with the Costello and Cummings building. Mr. Fryer, intends to operate a fountain cabaret and restaurant, opening about August 18th.

## Two Men Hit By Lightning Live But Their Dog Killed

Miracles happen, even in this day and age.

Two men were brought to Mercy hospital here at different times who will never cease wondering how they lives were spared when they were struck by lightning.

The men are Cornelio Gallegos and Eduardo Cordova, camp man and herder for Campbell-Francis and company. Both are Mexicans, both residents of Flagstaff.

They had gone to bed in their tent Monday night before the thunderstorm came up. Gallegos was sleeping on an army cot, the camp sheep dog curled up on the ground beneath him. Cordova was on his bedroll, spread on the ground.

A lightning bolt struck the top of the tent, shredding it and splintering the tent pole into a thousand pieces. It hit Cordova on his leg and Gallegos on the inside of his right arm, setting his shirt sleeve on fire. It ran down the left side of Gallegos' body, burning a strip in the shape of an acute triangle that ended in a sharp point on the side of his leg, then shot a hole through the bedding.

The sheepdog never changed position. He was instantly killed, and lay, curled up, as natural as if still alive.

La Paz, Bolivia, is the world's highest capital, being 12,470 feet above sea level.

Spanning the Zambesi river in South Africa is the world's highest bridge, being 400 feet above the water.

H. P. Chesire of Atlanta has been bitten five times by snakes, has had five operations, suffered a fractured skull in an automobile accident, was severely burned by a blow-torch and is now in the hospital after accidentally shooting himself in the leg.

### MOLLY GIBSON AND CHIEF

The Consolidated Copper Co., are now working two shifts on the Molly Gibson and Chief Mines. They have a shaft down about 150 feet, 4x8 in the clear, and intend going down 200 feet and cross cut, then drift on vein, which looks very promising.

### PICNIC AT CIRCLE Z

The Patagonia Volunteer Fire Department some of their friends from Nogales Fire Department, spent last Sunday evening at the circle Z ranch, enjoying the swimming and lunching on the spacious grounds.

### NEW BABY GIRL

Miller Pruitt, son-in-law of A. J. Hamilton, manager of the Morning Glory Mine, is the proud father of a seven pound baby girl, born Saturday, July 21st, at ten A. M. Mr. Pruitt, is the manager of the Santa Cruz Metals, Inc. Mrs. Pruitt, is reported as doing nicely and the baby.

### BACK TO HER OLD JOB

Mrs. Stanley Stoddard, went to Nogales last week to help out her former employers with their books. Mrs. Stoddard was for several years bookkeeper for the Walker Transfer Company, and they needed her to help again on the books.

### NEW SEWERAGE SYSTEM

The Patagonia Drug Store has just completed a sanitary sewerage system, for their soda fountain.

### FROM PHOENIX

A. F. Hammonds, connected with the Banking department of the state, accompanied by his wife were weekend visitors in Patagonia. They enjoyed the cool showers of Patagonia Saturday, and wished that they could take them to Phoenix. They stopped at the Commercial Hotel.

### FROM BISBEE

Mrs. Louise Fisher, and daughter Ann, and Mrs. Helen Rutledge from Bisbee, were visiting this week with Miss Luz Valenzuela.

### FROM DOUGLAS

Jessie Hayward, wife and son, were guests at the Commercial Hotel this week.

### RAIN DIDN'T STOP 'EM

In spite of the heavy rain of last Saturday night a large crowd attended the dance at Sonoita.

### INGERSOLL-RAND REPRESENTATIVE

E. F. Hastings, representative for the Ingersoll-Rand Co., made his usual visit to Patagonia this week, calling on the mines. He stopped at the Commercial Hotel.

## The Vandals



## 13 Dam Sites on Colorado at Cost of \$200,000,000.00 Proposed by Sen. Colter

Judge George Coughlin, expert hostman at the Big Jim mine at Harshaw, was a Nogales visitor Wednesday. Judge Coughlin is the owner of a group of mining claims situated in the Duquesne district.

The retouching of the walls in a marble finish has been completed at the First National Bank, adding greatly to the appearance of that handsome edifice located at the corner of Morley avenue and International street. All woodwork was also painted inside and outside. The Trust Building owned and occupied by the First National Bank is one of the finest business structures in Nogales.

### ROARING WATERS

The Sonoita creek was almost beyond bounds Wednesday night after the heavy rain that fell in and around Patagonia. The water rose to the height of the rail road bridge, and for a while threatened that structure, but after the rain ceased the water soon fell. A great crowd gathered in spite of the rain to watch the creek and listen to the roar of the water which could be heard for a mile.

### KNIGHTS OF PYTHIAS PICNIC HELD AT PATAGONIA

The Knights of Pythias gave a very successful picnic at the Bethel Grove, on the Sonoita River, Sunday July 21st. The grove with its large trees and interlacing branches overhead made a bow of shade for the visitors, who came from the nearby cities to join in the picnic. Bisbee was represented by nine cars, all well filled with people; and eighteen from Tucson, and other places well represented, it was estimated that there were about 500 people in attendance.

The Knights proved themselves to be very hospitable hosts, serving ice cream, lemonade, coffee and sugar free, inviting the citizens of Patagonia to join them. Casually gawping over the grounds, we found one picnic party consisting of Mrs. Margaret Stone Wren, and two young sons from Hopewell, Virginia. Mrs. Lavinia Barnett Stein, and family from Wyoming; Mr. and Mrs. F. A. Stone, Mr. and Mrs. Fred Barnett and family, Mr. and Mrs. Chester Broyles, Mr. and Mrs. Albert Gatlin, Mr. and Mrs. E. E. Bethel.

The 25th Infantry Band consisting of 42 pieces, conducted by Leslie King, was one of the most enjoyable features of the afternoon, games of all kinds were part of the afternoon program.

Among Nogales visitors to the grove picnic we noted Miss Gladys Walker, who represented Santa Cruz County in the house during the last leg's lature. Andrew Bettwy, state senator, Mr. and Mrs. Victor Wager; Mrs. Clotilde Carey, from Washington, D. C. who is visiting her daughter Mrs. Leatherman, and Mrs. Daniels, of Nogales. Mrs. Carey holds a government position in the National Capitol.

Will Walker, of Nogales was chairman of the entertainment committee and was successful in keeping the large crowd happy.

### SAN RAFAEL VALLEY

Wilfred Kinsley, of Bisbee, Ariz., Mrs. Hesser and son Richard of Winslow, Ariz., Mrs. Moses, and son Wallace, of Florida; Mrs. Williams and daughter Irma of Hereford, Ariz., were weekend guests at the Kinsley home.

Mrs. Kinsey, the above-named guests, and Marion Frances were dinner guests of Otto and Irmin Kinsley, and families at Anadaville, Sunday evening.

A. L. Kinsley, who had been visiting at Anadaville for several days returned to his home with the party that evening.

Ed. Lawless, a former San Rafael Valley resident was married in San Francisco recently.

Miss Margaret Buchenbry, is visiting at the home of Mr. and Mrs. Wallace Buchman all were Camille visitors Monday evening.

The Valley has been getting some much needed rains and the farmers are busy planting beans and hay; or cultivating their early crops.

Wallace Buchman, has a position in a mine at Bisbee and expects to leave for that place soon. His family will remain here.

Evelyn Frances, sister of Marion Frances, will teach the 5th grade in Lincoln school Nogales, this year.

### FOUR NEW PASSOVERS

The road from Patagonia to Nogales is in splendid condition, in spite of the recent rains. During the past week four new passovers have been put in. The passovers are the very best possible and will last many years. The frames are 3x24 redwood, with side pieces 6x8, and heavy iron rails. No better highway anywhere then between Patagonia and Nogales.

### ANOTHER CAR OF LUMBER

The Patagonia Lumber Company has just shipped another car of Lumber to the Morning Glory Mine.

To keep the electric iron in a safe and convenient place, either when using it or when it is not in service, a built-in cabinet, lined with steel and asbestos paper, has been devised.

Easily attached or removed, a blue-cermet shield with an amber-colored border for the automobile headlights is reported to be effective in reducing the glare.

Being adapted especially for sprinkling flowers and delicate foliage, a recently introduced nozzle for the hose, spreads a flaring, fan-shaper spray of small drops.

Talking movies for the home and school are now available with the introduction of a simple unit that drives a disk record in connection with the home projector, giving accurate synchronization of the pictures and the sound, it is said.

Mike Hogan, well known successful Harshaw mining man, visited Nogales Thursday, accompanied by his wife and little son, and mother-in-law, Mrs. Richard Farrell, of Harshaw.

J. B. Robinson, Vice President of Geo. B. Marsh, Inc., and family returned Tuesday from a two weeks' vacation and buying trip in Los Angeles. Mr. Robinson attended the National Elks convention as a guest of Victor J. Wager, secretary of the Nogales Elks lodge, while in Los Angeles.

## The Livestock Situation

LOS ANGELES, July 26.—The use of cottonseed cake has done much for the cattle industry of the Southwest. In fact, many ranchers believe that the use of cake as a supplemental feed has played an important part in stabilizing cattle values and has also allowed cattlemen to make the turnover without having to carry the thin end another season. The use of cake on the ranch not only helps to fatten the "critter" but it makes a better quality of beef.

Not all concentrates are available for range feeding because of the waste but the use of any supplemental feed that hastens beef maturity is a move in the right direction. Cottonseed cake is rather plentiful in the Southwest and is priced to sell. Nut form is the most practical and is spread out regularly in certain places so that the cattle soon find out where it is and go to it. When the range is exhausted, concentrates and roughage in the feed lot is the way to early marketing. It is noticeable too that the ranchers are putting up some hay each year to be used in carrying over young stock and finishing the immature. We can't even begin to estimate the loss under the custom of a few years back, in letting the unfinished steers rustle their way to another grass season. The loss of weight of those that survived the endurance test was enormous, to say nothing of the number that fell by the wayside.

Less supply and consequent higher price levels have made the rancher scratch his head and think seriously of the new conditions confronting him in handling a much more valuable product, meaning that where he lost a dollar under the old system he would lose several dollars under the new order of things. The rancher also finds that the people

want better quality meat and this calls for better sires, and that the heavy aged kinds are seasonal, hence he outlet is limited as against the younger, lighter and better finished first to sell on the market and at the top price.

Cake used on the range has undoubtedly contributed to orderly marketing by slowing up the seasonal flood movement of grassers which was confined to a period of three or four months of the year, so if the use of supplemental feeds accomplished only that, it would still be worth while, but it has done more by showing the way to cash the cutbacks, thus avoiding the heavy loss of flesh and cost of carrying over another season.

In this connection, we should also keep in mind that the feeding out of our cattle that did not finish on grass gives the cowman access to the market on a much higher price level prevailing at the season of the year when grass cattle are out of the way and warmed up and feed out cattle are available for slaughter purposes. That period is usually November 1st to June 1st.

The general practice of feeding, well on its way throughout California and adjoining states, has created a demand for feeders so if the rancher is not in a position to carry them along to a finish, he has a chance to cash them to go on thirty, sixty or ninety day feed whereas heretofore, the packer, alone has been relied upon to purchase the half fat kinds and no matter how you figure it, there is an economic loss in the premature slaughtering of live stock.

The natural trend of things is rapidly forcing a recognition of the need of more up-to-date methods and only by keeping step with this march of progress are we able to ward off the old unsatisfactory and unprofitable condition.

## Arizona Weekly Industrial Review

Mesa—New plant of O'Malley Lumber Company formally opened recently. Glendale ships first carload of seedless grapes. \$150,000 crop expected this year.—Glendale News.

Cartwright—School bond issue voted upon recently carried by large majority. Snowflake—Local depot track scales near completion.

Glendale—City aches extensive public improvement program. Phoenix—Road and bridge contracts involving expenditure of approximately \$1,500,000 in 21 projects calling for construction of 160 miles of highways throughout Arizona, have been awarded by the State Commission since Jan. 1, 1929.—M. C. Hankins, Secretary.

Good progress being made by Steady company, operating tungsten mines in eastern part of Wallapai Mountains. Snowflake—Four hundred cars of cinders will be used to cinder railroad to Standard.

Phoenix—Leland Dividend Mining Company recently filed articles of incorporation, with capital stock given as \$1,000,000.

Winslow—Vitaphone and Movietone equipment being installed at Rialto Theatre. Safford—Plans and specifications received here for new \$20,000 armory building to be erected.

Valuation of Arizona's producing mines this year has been fixed at a sum more than \$8,500,000 greater than last year's assessment figure, it was announced by E. A. Hughes, Chairman of State Tax Commission.

Utah Shippers' Association proposes railroad 260 miles in length from Marysville, Utah, to connect with Santa Fe Railroad at Flagstaff, Arizona.

Remodeling of Hotel Weatherford at Flagstaff, due to damage of fire practically completed.

Tucson—College of Mines of University of Arizona presented with 2,000-gram motor driven Fahrenwall flotation machine by Denver Equipment Company of Denver, Colorado.

Oatman—Tom Reed strike takes on big proportions: With sensational drifts already show in sixty feet of drifting strike on 950 level may be most important in mine's history.

Flagstaff—P. G. Spilsbury, President of Arizona Industrial Congress, announced an increase of 19 per cent in 1928

over previous year in total revenue and production of Arizona's wool industry, at meeting of Arizona's Wool Growers' Association, which was held here at recent date.

North Star, now owner of Redempton and Clyde group of mines at Chino, driving lower tunnel at rapid progress.

Winslow—Coast to coast passenger service of Transcontinental Air Transport, Inc., was inaugurated recently.

Globe-Holbrook stage service started. Phoenix—Gasoline tax during 11 months of present fiscal year which ended May 31 amounted to \$2,326,614.

Big development on Little Colorado River in Coconino County, Arizona, to develop current for smelting ore and for municipal lighting was filed with Federal Power Commission by United Verde Copper Company.

Flagstaff—Campaign to eradicate scabies in northern cattle by September now underway.

Valuation of railroad lines in Arizona, operating over 2,562 miles of track, is placed at \$109,956,763, an increase of \$165,125 over last year, for taxation purposes this year it is announced by E. A. Hughes, Chairman of State Tax Commission.

Annual conference of Arizona State Supervisors Association will be held in Douglas, July 24.

Jerome—United Verde Extension Mining Company increases production one half.

Rice—Springerville road in good condition.

Springerville—New playground equipment to be installed here.

Holbrook—Proposed paving and courthouse improvements plans being made.

Yuma—Building permits for first six months of 1929 exceeded those of previous year by \$89,000.—City Engineer K. Sawyer.

Representatives of New Mexico and Arizona will confer on Gila River project in Phoenix July 29.

Yuma county receives \$19,532 school fund.

The first causal factor in stabilizing American business has undoubtedly been the new and improved technique of American business itself.—E. H. H. Simmons, President, New York Stock Exchanges.

Henry Jørgens of Chicago staggered against a policeman when he heard an automobile back-fire and asked: "Am I shot or half shot?" The judge answered the question next day.

Fraulein Elsa Goemischen of Vienna was awarded \$5,000 in suit against a hairdresser whose dye caused all her hair to fall out.

Many of the faculty of Northwestern University, as well as several prominent citizens of Evanston, Ill., were indignant when summoned to the police station to answer to charges of "traffic violations." It was discovered that students had found a lot of summons blanks lost by a policeman and had filled them out and them to the professors and others as a joke.



# SANTA CRUZ PATAGONIAN

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"THE MOST ASTOUNDING SAGA THAT THE WORLD HAS EVER KNOWN"

Nearly half the graduates of the United States Military academy at West Point have asked to be assigned to aircraft tasks in the army.

No wonder when one reads that after two years of work Dr. Francis Trevelyan Miller, the historian, has just compiled under the auspices of historical foundations, a pictorial record of the career of Colonel Charles A. Lindbergh in which he says:

Lindbergh's official record is one of the most remarkable documents in the whole history of mankind. He is as much a historic figure as Columbus or Magellan, the Cabots, or Drake. He has received ovations greater than those extended to the Caesars or Nero or any of the ancient emperors. He has been acclaimed by more people than lived in the grandeur of the Roman empire or Greece in all its history. It is the most astounding saga that the world has ever known.

Dr. Miller found that Colonel Linbergh has been decorated and honored by kings and presidents of 18 countries, by governors of 48 states, and by mayors of nearly 100 cities.

Pick up almost any of the big metropolitan newspapers nowadays and you will find that a large proportion of the screamer or banner lines are devoted to aviation topics in some form. All this spells something, not only in the eyes of flaming youth, but also to students and scientists in libraries and laboratories. One man's guess, at to the big things likely to happen in the future is about as good as that of another man. Here is one guess: that the conquest of all three of the dimensions, length, breadth and thickness, so far as means of transportation are concerned, spells more changes during the next few decades than have occurred during the past six thousands years of the world's history.—Daily Silver Belt.

## THE BOULDER CANYON DAM

In a recent editorial, an eastern newspaper writer advised that Congress and the president be slow about getting under way the construction of the Boulder Canyon Dam.

According to the editorial, aside from the fact that Arizona may (and she probably will if she does not receive her just share), take this matter to the United States Supreme Court for settlement, there is another phase entering into the legality of the contract. That is the type of construction.

In her mad haste to grab the water which is rightfully Arizona's, our sister state California overlooked a few important details. These details may prove the stumbling block of this jealous grab for years to come.

If the state of California had been a little less envious of Arizona's position, and had really tried to make an equitable settlement instead of forcing through the Boulder Dam bill, she would probably not now be meeting the opposition with which she has to contend at the present time.

The construction of the Boulder Canyon Dam, according to authorities, could not begin for some years in any event. Now, with legal obstacles which are coming up, and Congress entering into the matter, this may be put off for several years longer. In the mean time the waters which California would so hastily grab continue to flow serenely to the sea. This should be a lesson to the greedy, that things cannot always be attained by might.—Labor Record.

## THE LAND THAT WAS FORGOTTEN BY GOD

On the last page in the last column in fine print the following is published in the Monthly Review of Business Conditions by the Federal Reserve Board, San Francisco:

"Arizona leads the United States in per acre yields of lettuce and cantaloupes."

On the same page there appears:  
"In 1928, more than one third of the total carlot shipments of truck crops in the United States originated in five states (Arizona, California, Oregon, Utah and Washington) of this district."

Moreover, the twelfth federal reserve report shows that last year Arizona led five western states in the index of production of truck crops. In 1923 it occupied fifth place. In 1928 it had pushed into the lead and maintained that lead last year.

The major portion of this production is from the Salt River valley and the lands in the vicinity of Yuma. With the Coolidge dam gradually filling and the first water released, there will come under intensive cultivation thousands of acres which will increase Arizona's output.

And this is the state that was considered worthless half a century ago, land that God had forgotten and the Apache made desolate.

And this is the state that advocates of the Boulder canyon dam have declared was on the decline because we would not agree to give our birthright to California and the Chandler interests in Mexico.

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## AN APPRECIATION OF ARIZONA

Arizona stands on the threshold of a relatively tremendous agricultural development. Among the factors that make this development inevitable are the following:

Arizona's attractive climate brings thousands of people into the State each year. The evident fertility and productivity of every irrigated section is so impressive that the story is carried to the four corners of the nation.

Every important remaining water resource is being carefully studied with the object of early development. Science is successfully meeting the problems of the Southwest, and the principles underlying irrigation farming are much better understood than they were only a few years ago. Greater knowledge and intelligence is apparent in the efficient use of our great range area for livestock production.

Arizona, the youngest of the States, has already developed a public school and road system that ranks with the best in the Union. This is attracting the highest type of farmer.

The population of the Western coast region is increasing so rapidly that it is growing less and less necessary for Arizona to look to the East for a market. Economic forces and nature's forces working together are building a great agricultural future for the State.

Arizona offers to home builders not only satisfactory economic returns but also the lure of magnificent mountains, wild game, fish in mountain streams and lakes. The feel of progress and well-being is in the air. All the satisfactions that make rural life attractive are to be found here. An especially warm welcome awaits the prospective home builder in Arizona.

## FACTS ABOUT ARIZONA

1. Arizona is the fifth largest State in area, 113,000 square miles, and the fifth smallest in population.
  2. It had the greatest per cent increase in population in the United States between 1910 and 1925. Since 1920 its population increased 40 per cent and now is 470,000.
  3. In 1926 it had in cultivation a smaller acreage than any other State, but was only exceeded by Iowa and Illinois in the average yield per acre and value per acre of many crops.
  4. It now has 600,000 acres of land under cultivation, compared with 400,000 acres in 1922.
  5. The chief crops of the State arranged in the order of their farm value for 1928 are cotton, alfalfa hay and seed, lettuce, cantaloupes, wheat, corn, citrus fruits, grain sorghums, barley, oats, white potatoes, deciduous fruit, sweet potatoes, beans, wild hay. The State is also a big producer of livestock. It shipped 418,000 head in 1928.
  6. In the production of lettuce the State ranks second and in the production of cantaloupes it ranks third; in 1927 it shipped over 13,000 carloads of these two commodities.
  7. The State has two harvest annually. Its climate is one of the best there is for agriculture; it has a growing season averaging 300 days, during which two crops can be grown.
  8. Its leading industry is mining, which exceeds any other Western State in value of total metal production; the mining industry pays nearly half of the State's taxes and provides a near market for farm products.
  9. In proportion to its population the State has one of the best highway and rail transportation systems in the country.
  10. For the year ending June 30, 1928, the State Highway Commission provided in its budget the sum of \$5,654,487 for expenditure on construction and improvement of highways.
  11. The State's romantic association with its early Indian civilization, its climate and its scenery are three tourist attractions which invite visitors from all over the world. Fourteen new hotels, ranging in cost from \$200,000 to \$2,000,000 each, were erected during the twelve months ending June 1, 1928.
- One of the strangest assortments of garments ever worn by a male of the species was found on one Delbert Hill, arrested in Tulsa, Okla., as a vagrant. Being ordered to "peel off" when police men discovered something pink protruding from his overalls, he was found to be wearing a pair of teddies, a pair of step-ins and four pairs of bloomers.

## Safe and Sound

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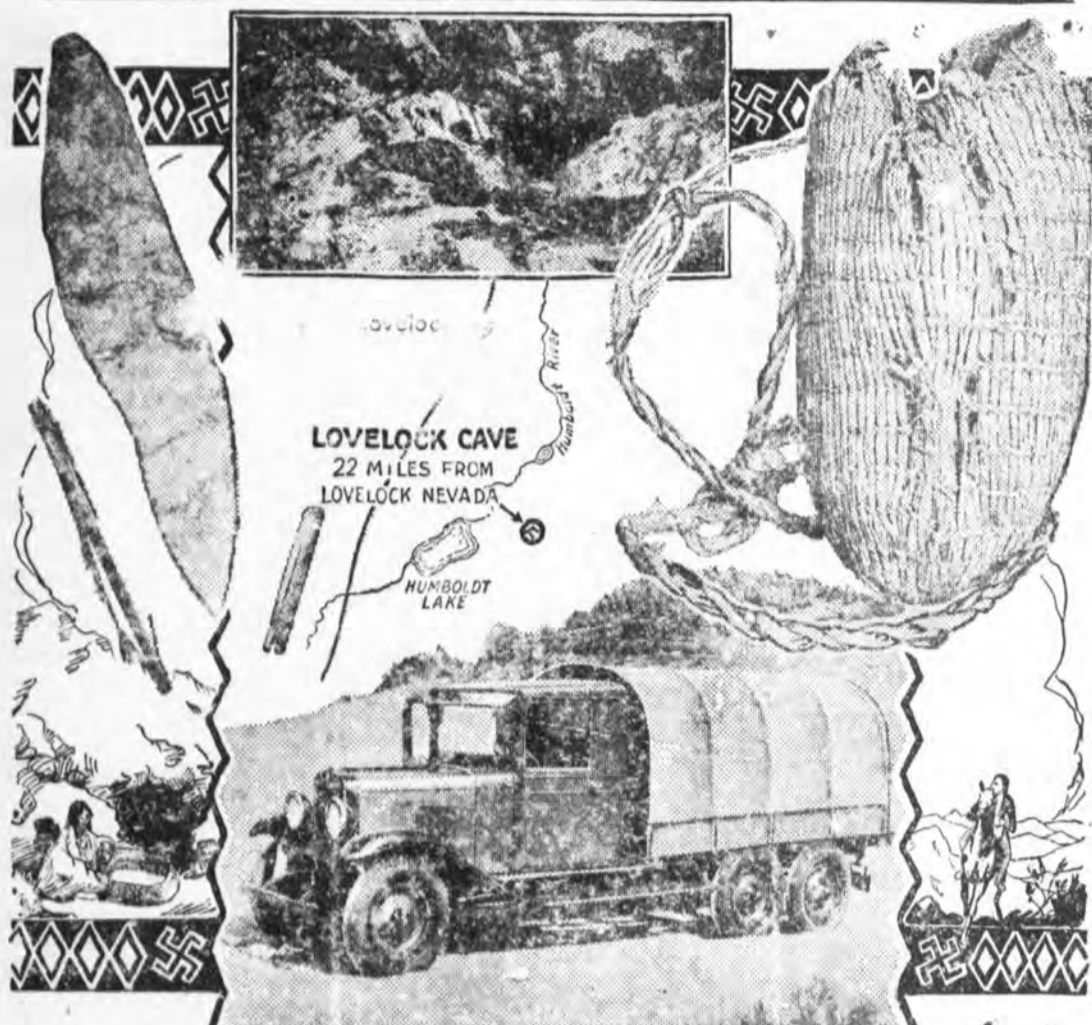
TRY SHELL GASOLINE AND NOTE THE DIFFERENCE

Let Us Grease and Oil Your Car!

**We are Equipped to do your repair work.**



**Ancient Civilization Unearthed at Lovelock Cave**



Evidence pointing to the oldest civilization in America has been unearthed at the Lovelock Cave, located on the Nevada desert. The cave was once the home of a tribe of Indians, legend of which says were cannibalistic. Entrance to the cave is shown at the top; to the left is a flint knife, and at the right is a basket which contained two fur blankets in a perfect state of preservation. The six-cylinder Chevrolet truck found the sand road to the cave not difficult. The tandem rear wheel construction affords easy traction.

**SCIENCE NOTES**

Members of the homicide squads of New York's police department have been equipped with kits of special tools to aid them in trapping criminals and solving crimes.

Having demonstrated that rockets will run automobiles and motorcycles, Fritz Von Opel, German sportman, is planning to apply the principle to operating an airplane.

By giving ears exercises in response to sound of varying frequencies, specialists are reported to have made considerable progress in overcoming some cases of deafness.

High-grade motor gasoline and numerous by-products are to be extracted from lignite coal in a plant to be constructed near Frederick, Colo., where such coal is plentiful.

To locate broken water pipes, German scientists have introduced a sensitive electrical outfit that serves as a reliable detector and often saves much labor in digging for the defective pipe.

Successful tests with a rubber heart, operated by electricity, to pump blood through the circulatory system of a cat after its natural organ had been removed, are reported from Dalhousie University, Nova Scotia.

By keeping them in a temperature of thirty degrees Fahrenheit, pecans have been preserved from one season to another by the bureau of plant industry.

Moths are recording their altitude records for the aid of science on sticky screens atop the 500-foot customhouse tower in Boston. To determine how high they are able to fly, copper screen frames were erected on the four sides of the tower and covered with a sticky substance.

Resembling platinum in appearance, and having some of its qualities, columbium, a metallic element, was exhibited for the first time at a chemical meeting in New York.

Rainbows that seem to lie horizontally upon the surface of water are occasionally seen, sometimes in custers, one behind the other. Dr. W. J. Humphreys, of the weather bureau, explains these phenomena are due to a layer of small drops that are resting on the surface of the main body of water but prevented from merging into it by a thin film of oil.

Carrying on a conversation by artificial means is made possible by an artificial lung and larynx which operate much as do the natural organs employed in speaking. It is possible to speak merely by forming words with the lips placed about the tube of the device.

Contrary to general belief, the most intense cold on earth probably is found at the south pole rather than the north pole, Vilhjalmur Stefansson, explorer, says. The temperature in the antarctic shortly after midwinter is estimated at 120 degrees below zero, or even lower.

—Popular Mechanics Magazine.

**New Inventions**

Fitted with a supplementary forward wing and a three-wheeled landing gear, an airplane designed by an eastern engineer is said to provide additional safety, as its center of gravity is farther forward than in the usual plane and it is not likely to stall.

Made of durable, non-rusting metal a mat for the worker to lie upon while repairing the under part of the auto, has a headrest for comfort and convenience.

Flat match sticks, made to accommodate a complete printed sentence on each side of the stick, will permit the use on this household article of advertising slogans.

To enable a self-propelled barge, 246 feet long and with a 2,500-ton capacity to pass under the numerous bridges across the Chicago river, the barge has been constructed on the submarine principle.

Operating on somewhat the same principle as a pedometer, a wrist watch

winds itself while it is being worn. This is accomplished by a weighted segment that moves on a pivot about the circumference of the works.

Portable telephones that are plugged into specially wired sockets, in somewhat the same manner as electrical appliances are connected, have been introduced for the home.

Motorists arriving at filling stations only to find the attendant gone may take advantage of a "cafeteria" service pump operated by inserting a fifty-cent piece in a slot.

For attachment to an airplane compass, an electric device developed in England, warns the pilot when he strays off the course.

Greater ease of operation is claimed for a motor-driven roller introduced in England. The engine is inside the roller, where it is protected from the weather, and renders the implement exceptionally easy to handle.

**Lunches**  
**A FRESH SHIPMENT**  
- OF -  
**Whitman's Candies**  
**Drugs, Surgical Supplies**  
*PATAGONIA DRUG STORE*  
Registered Pharmacist  
*M. J. Kern*

**OPENING**  
**NEW WHITE HOUSE CLUB**  
SWELLEST DANCE FLOOR ON THE BORDER.  
BEST CABARET IN SONORA  
JUST A STEP FROM NOGALES, AS YOU ENTER SONORA  
**S. SIMON Prop.**

**NEW WHITE HOUSE**  
**CLUB CAFE**  
SPECIAL DISHES  
SUN YAT SEN  
CHICKEN KAI TEN

**Checks Are Receipts**

Checks are the best receipts in the world for paid bills. Our record of the canceled Check as it is paid and passes through our books forms a chain of evidence that cannot be surpassed or disputed. Starting a Checking Account with us is a simple matter. Let us tell you how.

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**THE FIRST NATIONAL BANK OF NOGALES**  
NOGALES, ARIZONA  
Assets Over \$3,000,000

**ADVERTISE**

**Expert Electrical Work**  
Batteries Recharged and Repaired  
(Any make)  
NEW BATTERIES FROM \$7.50 UP  
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**BORDER BATTERY & ELECTRIC CO.**  
In the White Front Garage  
NOGALES ARIZONA

**General Merchandise**  
**And Miners' Supplies**  
Fruits and Vegetables  
**SEE US FIRST**  
THE CORNER STORE  
Patagonia, Ariz.

**Come On In**  
The Mileage is Fine  
with  
**Goodyear TIRES**  
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**EAST SIDE GARAGE**  
R. C. Blabon, Proprietor  
PATAGONIA ARIZONA

**ORONITE**  
"Kills 'em dead"  
flies, mosquitoes, roaches, moths  
and many other insects  
STANDARD OIL COMPANY OF CALIFORNIA  
**FLY SPRAY**

ONE OF STATE'S BIGGEST INDUSTRIES  
The Arizona Packing Company, one of Arizona's largest manufacturing industries, is the largest packing plant between Fort Worth, Texas, and the Pacific Coast, operating under United States Government supervision. This urees meat purchasers of the entire southwest, healthful, wholesome, fresh and smoked meats. Government Inspected.

**ARIZONA PACKING COMPANY**  
NOGALES, ARIZONA

ALL KINDS OF  
**Insurance**  
NOTARY PUBLIC  
PATAGONIAN OFFICE

**NOGALES-TOMBSTONE STAGE**  
Bob Laney, Prop.

Nogales-Bisbee Stage's new time table, effective December 1, 1928. Through stag to Bisbee, making connections for Douglas, Lordsburg, Deming and El Paso. Connections made for all trains at Fairbank.

NORTHBOUND		SOUTHBOUND	
Nogales, Leave	11:30 a.m.	Douglas, Leave	2:35 p.m.
Patagonia, Leave	12:30 a.m.	Bisbee, Leave	4:00 p.m.
Fairbank, Leave	1:45 p.m.	Tombstone, Leave	5:15 p.m.
Tombstone, Leave	2:15 p.m.	Fairbank, Leave	5:30 p.m.
Bisbee, Arrive	3:40 p.m.	Patagonia, Leave	6:45 p.m.
Douglas, Arrive	4:40 p.m.	Nogales, Arrive	7:45 p.m.

WHEN IN NOGALES, VISIT THE  
**White Front CABARET**  
FOR REFINED ENTERTAINMENT  
AND GOOD EATS  
BEST ORCHESTRA IN TOWN  
NOGALES SONORA MEXICO  
(OPEN DAY AND NIGHT)

**For the Best in**  
**Nogales, Sonora**  
VISIT THE FAMOUS  
**Cave Cafe**  
CUT IN SOLID ROCK

We specialize in Sea Foods and Game in Season. All kinds of Chinese dishes to your order.

Where the Tourists eat their meals in the cool recesses of dining-rooms cut into the rock hill-side.

**International Casino**  
Alex Rossi, Mgr.  
At the Plaza, Sonora, Mexico  
(Just across the border)  
THE ONLY FIRST-CLASS PLACE TO EAT  
AND DRINK



# J.C. PENNEY CO.

111 Morley Ave., Nogales, Arizona

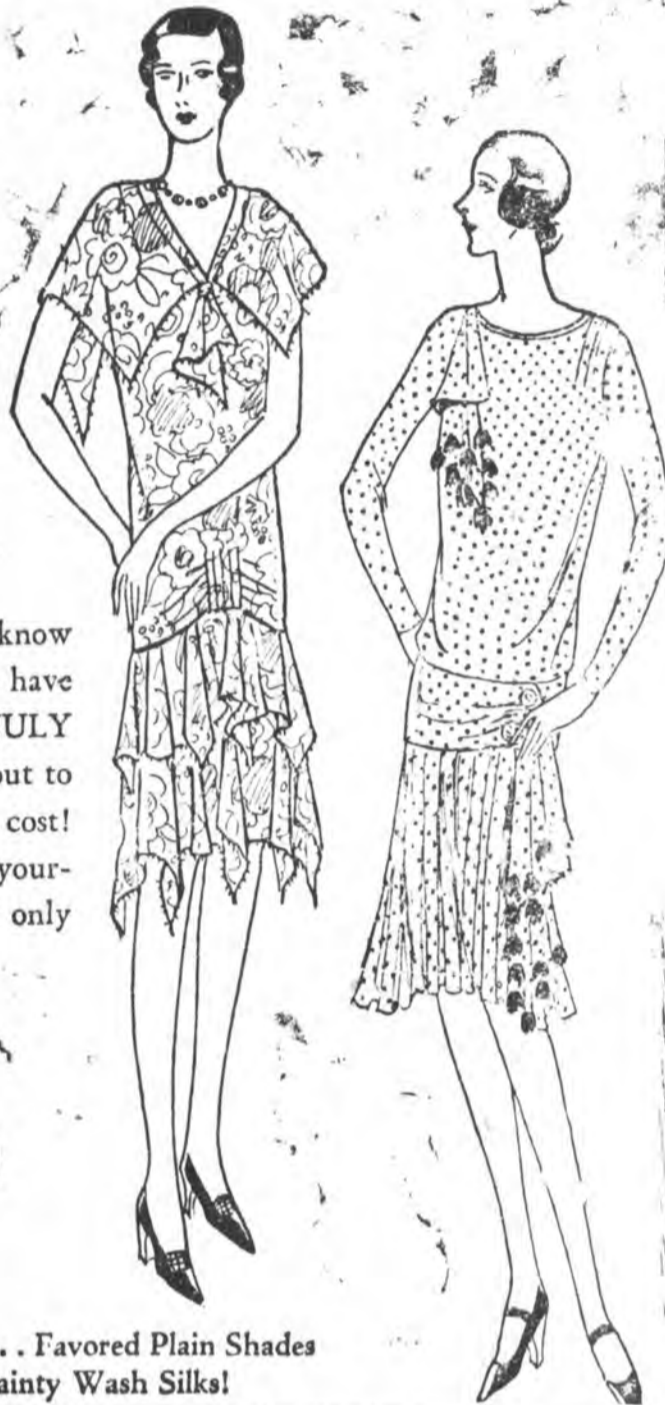
JULY INVITATION MONTH Offers Exceptional Values for Thrifty Women . . . Misses . . . Juniors

## Summer Silk Dresses

Of course . . . a million women all over the country know that the J. C. Penney Company enables them to have smarter clothes for less money . . . always! But for JULY INVITATION MONTH, our fashion experts set out to out-do themselves in producing high styles at low cost! And how well they have succeeded you will see for yourself when you view these charming new frocks at only

**\$6.90**  
and **\$9.90**

Printed Chiffons . . . Printed Crepe de Chine . . . Favored Plain Shades in Flat Crepe and Georgette and Scores of Dainty Wash Silks!



## SEEING SNAKES

(Verde Copper News)

A friend signing himself "Old Timer" writes in to say that the editor of this paper is wrong in stating in a recent editorial that the only poisonous snakes in Arizona are rattlesnakes. He declares that he has seen cottonmouth moccasins in the lakes of Arizona. Even though they do not exist, it is possible that "Old Timer" may have seen such snakes. If properly organized he may also have seen grizzly bears, dodo birds, kangaroos, dinosaurs and creepy things with wings. But if he saw a genuine water moccasin, it had been recently important. The water snakes of the southwest are harmless. The young ones, because they are nervous and lacking in mature judgment, will probably bite if handled, but the adult water snake of Arizona can seldom be made to strike, and then only in self defense, or in pursuit of prey when hungry.

There is another venomous snake which has been known to invade Arizona. It is not a native and is encountered so rarely that it is hardly worth consideration. It is the Mexican coral snake. The editor of this paper has studied American reptiles for 20 years and has never seen a Mexican coral snake alive. The coral snake is a bright-colored little fellow with bands of vivid red, black and pale yellow. He is seldom more than 16 inches long, with fangs so small they could hardly penetrate ordinary clothing. The snake so closely resembles the harmless little California king snake that only a student of such matters would know the difference. The coral snake is rather to be sought than avoided because you can get \$25 for one, if taken alive and unharmed.

"Old Timer" appears to have absorbed considerable of the common misinformation about snakes. Fully 90 per cent of the things which people "know" about snakes are not true. For instance, a snake does not coil to strike. In fact he couldn't possibly strike if he did coil. Takes a leather belt or strap and coil it. Then stretch it out as a snake is supposed to strike. You will find that in order to straighten out from such a position it is necessary to twist the body entirely around several times, which is a physical impossibility for any snake. What the snake really does before striking is to form the length of his body into a series of curves, or loops, which merely straighten out as the strike is made.

Other commonly misunderstood snake facts are: The limit any snake can strike on level ground is three-fourths of his length.

You cannot tell a snake's age by the number of rattles. The average snake gets two new rattles each year, but many are broken off by cracking them against rocks in traveling.

Any snake will crawl over a horse-hair rope. He crawls through brush and cactus, why should he hesitate about a rope?

Snakes do not swallow their young in time of danger. Rattlesnake eggs are hatched inside the mother snake and the young reach the age of responsibility when they appear.

The venom of a young snake is just as deadly as that of an adult. The only difference in the danger between a small snake and a large one lies in the size of the fangs and the quantity of venom injected in striking.

A snake drinks by placing its mouth in the water like a horse. It will drink almost any time, wherever water is found, but can live indefinitely without water. No snake will eat anything excepting its own kill, unless forced.

Rattlesnake poison is a concentrated form of albumen. It may be taken internally with no bad effect whatever and will digest the same as an egg, provided there is no break in the lining of

the alimentary canal to let the venom in to the blood. Snakes have characteristics and dispositions, the same as humans. Some of them are naturally incongenial, like some humans. Others are entirely friendly and will become as tame as any house cat. They are much cleaner. A snake has no external ears, but hears by vibration through its length of body on the ground.

There are many more snakes in Arizona than the average person realizes. This is because they are seldom abroad in the day time excepting in the spring or fall. In the summer time they seek a cool place in a hole or under rocks. Although they have great vitality under natural conditions, no snake can live five minutes on the hot Arizona sand in the summer time.

There are four poisonous snake native to the United States, that is, snakes hav-

ing frontal fangs for injecting venom. They are the rattlesnake, the copper-head, the cotton-mouth moccasin and the coral snake. There are several species, usually classified as colubridae, which have grooved back teeth, through which they secrete a mild poison as an aid in overcoming prey which they have captured. These are all quite harmless to man. The Gila monster is a coluber and there are dozens of erroneous ideas about him. He is pictured as an extremely deadly reptile.

As a matter of fact there is not, anywhere, any authentic record of anyone ever having died from the bite of a Gila monster. But that is material for another story.

Any connoisseur of snakes, who disagrees with any of these statements, is welcome to express himself. Perhaps "Old Timer" will contribute a column under the caption: "Snakes We Have Met."



## Fletcher's CASTORIA

MOTHER! Fletcher's Castoria is a harmless Substitute for Castor Oil, Paregoric, Teething Drops and Soothing Syrups, prepared to relieve Infants in arms and Children all ages of

- Constipation
- Flatulency
- Diarrhea
- Wind Colic
- To Sweeten Stomach
- Regulate Bowels

Aids in the assimilation of Food, promoting Cheerfulness, Rest, and Natural Sleep without Opiates

To avoid imitations, always look for the signature of *Dr. J. C. Fletcher*. Proven directions on each package. Physicians everywhere recommend it.



## Phoenix Silk Hosiery

Patterned after America's most beautiful legs

and now fashioned by the new Accurator process achieve rare shapeliness, more charm, more beauty than ever before. The Phoenix Suntan, Sunburn and all-occasion shades provide a perfect match for every complexion or costume.

Pointed, double Pointed, French, Square heels.

\$1.50 \$1.75 \$1.95

BRACKER'S

# ARMY STORE

Nogales,

Arizona.

### LEGAL NOTICE

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, having associated ourselves together for the purpose of forming a corporation under and by virtue of the laws of Arizona, hereby adopt the following Articles of Incorporation:

ARTICLE I—The name of the corporation shall be "The Cross Mining and Investment Company" and its principal place of business shall be on the property known as the American Boy Mine in Santa Cruz County, Arizona, but other offices may be established and maintained within or outside of Arizona, at such places as the Board of Directors may designate, of where meetings of stockholders and directors may be held.

ARTICLE II—The general nature of the business proposed to be transacted is to purchase, subscribe for, acquire, own, hold, sell, exchange, assign, transfer, mortgage, pledge or otherwise dispose of shares or voting trust certificates for shares of the capital stock, or any bonds, notes, securities or evidence of indebtedness created by any other corporation, or corporations, organized under the laws of this state or any other state or district or country, nation or government, and also bonds or evidences of indebtedness of the United States or of any state, district, territory, dependency, or country or subdivision or municipality thereof; to issue in exchange therefor shares of the capital stock, bonds, notes or other obligations of the corporation, and while the owner thereof to exercise all the rights, powers and privileges of ownership, including the right to vote on any shares of stock or voting trust certificates so owned; to do any acts and things permitted by law and designed to protect, preserve, improve or enhance the value of any such bonds, stocks, or other securities or evidences of indebtedness or the property of this corporation; to own, hold, develop, explore and operate any mine, or prospective mine, and to sell, lease, mortgage, or otherwise alien the same; to own and operate in connection therewith smelters and other plants for the reduction and refining of ore, metals and to sell, lease, mortgage, or otherwise alien the same; to acquire, own, operate, sell, lease mortgage or otherwise alien in connection therewith any and all means and instrumentalities of transportation so far as the same may from time to time be permitted under the statutes of the State of Arizona, to issue bonds, notes, debentures, and other evidences of indebtedness and secure the payment of the same by mortgage, deed of trust or otherwise; and in general to do and perform such acts and things and transact such business in connection with the foregoing objects, not inconsis-

### LEGAL NOTICE

tent with law, in any part of the world, as the Board of Directors may deem to the advantage of the corporation.

ARTICLE III—The capital stock of the corporation shall be 800,000 shares without par or face value, each of which said shares shall be equal to every other. All or any portion of the capital stock may be issued in payment for real or personal property, services, or any other right or thing of value, for the uses and purposes of the corporation, and when so issued shall become and be full-paid, the same as though paid for in cash at the price fixed; and the directors shall be sole judges of the value of any property, right or thing acquired in exchange for capital stock. No shares of capital stock shall be issued until fully paid for and thereafter shall be non-assessable. Said shares to stock shall be issued for such price and upon such terms of payment as shall from time to time be fixed by the Board of Directors.

ARTICLE IV—The time of commencement of his corporation shall be the day these Articles are filed and a certified copy of the same recorded in accordance with law, and a Certificate of Incorporation delivered by the Corporation Commission, and the termination thereof shall be twenty-five (25) years thereafter, with the privilege of renewal as provided by law.

ARTICLE V—The affairs of the corporation shall be conducted by a Board of Directors and such officers as the said Directors may elect or appoint. The directors shall be five in number and shall be elected from among the stockholders at their annual meeting to be held on the second Monday in February of each year, and said Board of Directors may meet and transact the business of the corporation at such places within or without the state as they shall from time to time determine upon. Until the first annual meeting of stockholders and until their successors have been elected and have qualified, the following named persons shall be the directors: A. F. Gross, Forrester Gross, W. J. Haake, H. R. Aldrich and A. P. Puelicher. The Director shall have power to fill vacancies occurring in the board from any cause and appoint from their own number an executive committee and vest said committee with all the powers granted the directors by these Articles.

ARTICLE VI—The highest amount of indebtedness or liability, direct or contingent, to which the corporation is at any time to subject itself in One Million Dollars (\$1,000,000.00)

ARTICLE VII—The private property of the stockholders, directors, and officers of the corporation shall be forever exempt from its debts and obligations.

### LEGAL NOTICE

ARTICLE VIII—Duane Bvd having been a bona fide resident of Nogales, Arizona for the last three years, is hereby appointed and made the lawful agent for and in behalf of this corporation in and for the State of Arizona, to accept and acknowledge service of, and upon whom may be served all necessary process or processes in any action, suit or proceeding they may be had or brought against the said corporation in any of the courts of said State of Arizona; such service of process or notice, or the acceptance thereof by him, and the acceptance thereof by him, and the effect as if served upon the president and secretary of the company. This appointment may be revoked at any time by filing the appointment of another agent.

IN WITNESS WHEREOF, We hereto affix our signatures this 4th day of May, 1929.  
Name Residence P. O. Address  
Forrest C. Gross Patagonia, Arizona, Box 72.  
Felix M. Covey Patagonia, Arizona, Box 72.  
State of Arizona )  
County of Santa Cruz ) SS

This instrument was acknowledged before me this 4th day of May, 1929 by Forrest C. Gross and Felix Covey known to me to be the persons whose signatures are subscribed to the foregoing Articles of Incorporation, who personally appeared before me and acknowledged to me that they executed the same for the purpose and consideration therein expressed.

Given under my hand and seal of office the day and year in this certificate above written.

(Seal) OTTO H. HEROLD  
Notary Public.  
My commission expires February 23d 1932.

Endorsement  
Arizona Corporation Commission, Incorporating Department, Filed May 11, 1929 at 10:00 A. M. at request of Arthur Snapper whose address is 418 Weaver Bldg., Madison Wisconsin  
F. J. K. McBride  
Secretary

By PEARL JONES  
Endorsement on Jacket  
State of Arizona )  
County of Santa Cruz ) SS

I hereby certify that the within instrument was filed and recorded at the request of Arthur Snapper Atty May 20 A. D. 1929 at 9 A. M. Book 2 Art. Inc. Pages 303.

Witness my hand and official seal the day and year aforesaid. Ada E. Jones County Recorder. (Seal) June 28—Aug. 2d.

Paul Muller, who crossed the Atlantic in an 18-foot boat landing at Miami, was wrecked and rescued near Charleston.

Miss Effie Tyson of Belfast robbed a tailor shop and masqueraded for a month in men's clothing.

Mlle. Eugenie Corwaine of Paris danced eight hours without stopping and dropped dead.

A coffin placed in a church Gosport, Eng., in 1830 burst into flames when the vault was opened recently.

For drying clothes, a lightweight frame, that may be covered for hanging garments and then raised out of the way, is suspended from the ceiling to save space.

Remote control for the motion-picture camera, to hold in taking pictures of birds or animals or in "sick" photography, has been introduced in the form of an electrical attachment easily operated and connected.

—Popular Mechanics Magazine.

## 30 Days' Free Trial

On Any MEAD Bicycle

whether you buy from your Local Dealer or from us direct.

Save \$10.00 to \$25.00

On Your Bicycle Prices From \$21.50 Up Get full particulars by mail today. Use coupon below.

Sold On Approval You are allowed 30 days' actual riding test before sale is binding.

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