

PERSONAL AND SOCIAL

TONSILS REMOVED

Mr. and Mrs. Chester Broyles, took their son Chester, to the Hospital in Nogales and had his tonsils and adenoids removed on Wednesday of this week. The lad stood the operation well, and they expect to bring him home in a few days.

PREACHING SUNDAY

Rev. James C. Hatchfield, will preach at the Methodist Church in Patagonia on Sunday afternoon August 4th, at 3 o'clock.

RETURN FROM TRIP

C. A. Pierce and wife and daughter came home Tuesday after a week's trip around the northern part of the state. They report a wet season all over the state.

CARLOAD OF CEMENT

The Patagonia Lumber Company received a carload of Cement this week for the Morning Glory Mine. It is to be used in the new mill.

NOTICE

All kinds of legal blanks; transfers made and acknowledgements taken at the Justice of the Peace Office. Adv.

FOR SALE

160 acres of land in the San Rafael Valley also three lots in Patagonia. A. H. Glidwell, 100 Duquesne, Patagonia.

RETURN FROM OUTING

C. A. Pearce, and family have returned from a ten days outing at Tucson.

C. L. Northcraft, motored to Tucson this week on a business trip.

TO VISIT OLD HOME

Mrs. A. B. Sorrels, and daughter Mrs. Pete Bergier, will leave about August 15th for Long Beach for a month's visit.

Pete Bergier, will leave about August 25th, and join them on the coast. They will then go together to visit Mr. Bergier's sister in Portland, whom he has not seen for 29 years. After this visit they will visit Mr. Bergier's old home in Idaho, that he has been away from for nearly 30 years.

PROVE UP ON HOMESTEAD

Pete Bergier, made final proof on his homestead, before U. S. Commissioner O'Connor, at Nogales on the last day of July.

INVITED TO ATTEND SERVICE

Every one is invited to attend the preaching services at the Patagonia Methodist Church Sunday, August 4th at 3 p. m. by Rev. Crutchfield.

ATTENDS TAX CONFERENCE

Harry Farrier, County Assessor, attended the meeting of the State Tax Commission, held in Douglas last week. Harry spent some time in Patagonia, going and on his return, visiting with his many Patagonia friends.

ARIZONA HIGHWAY COMMISSIONER HERE

James McDonald, State Highway Commissioner, was a Patagonia Business visitor this week.

GOES AFTER HORSES

J. Y. McLinden, Proprietor of the Commercial Hotel, drove over to Gleason last week, with his son, and they brought back a number of saddle horses, to be used at the Hotel for the guests that enjoy that form of exercise.

NO POWER SHUT DOWN

The Trench Mine has been shut down for the past week on account of having no electric power. Manager Hollister expects to get going in about three weeks.

AWAY FOR THREE WEEKS

W. C. Hooks and family left Saturday for Mormon Lake for a two weeks vacation.

HERE FROM TUCSON

Howard Keener, is spending a few days on his ranch, having come over Monday from Tucson.

GOES TO NOGALES

Stanley Stoddard, manager of the Patagonia Garage was a business visitor, to Nogales this week.

LEAVES FOR THE EAST

Felix M. Covey, of the American Boy Mine, left Monday morning for Duluth, Min., driving thru in his car. Felix will be missed by Manager Gross, Felix and himself are boom companions. Mr. Covey, took with him as his only company on this nearly 3000 mile trip a Gila Monster which had been caught in Patagonia a few days before he left. He will present the animal to the institute in Duluth.

FIND A GILA MONSTER

A Gila Monster, found its way some how between the American Cafe and the Barber shop, this week. C. D. Cummings and Rutledge caught it and put it on a string. A. F. Gross manager of the Gross Mining and Investment Company, took it and gave it to Felix Covey, who took it East.

VISITING ED BOHLINGER

John M. Hughes, and Dr. McPharlin of Nogales were business visitors here last week. They were the guests of Ed Bohlinger, administrator of the Richardson Estate.

FOUGHT THE RAIN

Mr. and Mrs. Ed Collie, fought some hard rain on their recent trip to Nogales.

BUSINESS VISITORS

H. R. Sisk, publisher of the Nogales Herald, and Gran Chancellor of the Knights of Pythias of the Domain of Arizona, was in Patagonia Saturday.

GOES TO TUCSON

E. H. Evens, President of the Evans Mercantile Company was a week end visitor to Tucson, returning early Monday morning.

ACTIVE AT THE MORNING GLORY

A. J. Hamilton, Manager of the Morning Glory Mine expects to have the new mill in operation some time this week. Diamond drilling at the Morning Glory will also be under way.

DANCE AT SONOITA

There will be a dance at Sonoita, Saturday night August 3. Pelletier's orchestra will furnish the music. Good eats. ADV.

FORMER TEACHER HERE

Miss Sadie Preley, former teacher in the Patagonia Union High School, arrived in Patagonia Tuesday to spend a few weeks here. She is staying at the home of Mrs. Frank Seibold. Her many friends are glad to see her back, and wish she would be a member of the community and school faculty again.

ENTER THE MILITARY CAMP

Carlton Floyd, Ralph Riggs, and Jack Pierce left Wednesday evening for Nogales where they have entered the Citizen's Military Training Camp for the month of August.

WHAT NEXT?

We hear that the boys expect cub service at the weekly singing meetings. What next?

VISITING THE FORTUNES

Joan Evans, who has been visiting the Fortune's for the past two or three weeks, left Sunday for her home in Tucson.

SCHOOL DRESSING UP

Charles Mead has been working at the Grammar School the past two weeks planting grass and filling in with sand.

WILL GO TO LOS ANGELES

Genevieve Kester left Friday to meet her grandmother in Tucson from where they left for Los Angeles to spend a month visiting the different beaches.



Harry N. Renshaw, of Nogales, Arizona, (pictured above) shot his way on to the United States Free Rifle Team, now en route to Stockholm, Sweden, to take part in the International Rifle Matches, August 16th. Renshaw is only twenty-two but has been a champion rifle shot for some time, having won honors at Camp Perry, Ohio, in the matches of the National Rifle Association. This is his first chance for international shooting honors. The U. S. team will arrive at Bremen, Germany, on the S. S. President Roosevelt and will then travel through Germany and across the Baltic to Stockholm to fight for the world's championship against twelve other nations.

Away From Home



Ariz. Taxable Property For 1929 Shows Total Of \$726,158,319.00; Gain

Arizona's taxable property totals \$726,158,319 for 1929 compared to \$696,741,672 on the tax rolls of 1928. It was revealed when the tax conference completed its sitting yesterday and arrived at the grand totals for the state. That is a gain of \$29,416,647 for the year. But from that must be deducted the legal exemptions for the state amounting to \$25,963,160. The conference, had been at work for two days. It will be determined later whether the subsequent meeting will be held. Safford was the only city inviting the conference for next year.

The last session of the tax conference was given over to reading totals for various classifications into the record and examining some of the groups. The work of the afternoon began with the consideration of the railroads. It was shown that the assessment of railroads for this year aggregates \$109,713,236 while in 1928 the total was but \$109,556,810. There was a small amount of new construction and the total assessment now stands \$156,426 higher than the previous year.

The totals for the telegraph and telephone lines both in mileage of wire used and the total value of the lines followed. Then the conference turned to the consideration of livestock. There were some interesting features developed in the study of the assessment of the range cattle of the state. That stood out more prominently than the other classification of cattle as there is a more general distribution of range cattle over the state than any other separate class. Practically every county has a substantial interest in the range cattle industry. Some of the counties have real problems in handling the assessment of range stock as was brought out by queries propounded by members of the conference.

Where are range cattle assessable? The same problem applies to sheep and to horses. It has been asked before. It has been answered. But it appears from the discussion the assessors have been wandering along down the River of Doubt.

The figures disclosed also, that there were 338,459 range cattle assessed and that they were assessed for \$6,120,425. There had been a loss of 52,077 animals from the range cattle stock of the state during the last year. Milch cows showed a gain both in number and unit value.

The item of bulls disclosed that there had been but a slight decrease in the number, the loss totaling 427 for the year and bringing the number to approximately 13,000 for the state.



The Livestock Situation

The western range country has about reached its practical limit in lamb production, following several years of intense building up of range flocks. Many of the historic old cattle ranches have turned to sheep. Outstanding in this respect is the state of Texas, which until a few years ago was almost strictly a cattle state. It is now the largest sheep growing state in the union.

California has developed her sheep business intensely. As far back as 1860 the California sheep population, exclusive of lambs, was estimated at only slightly more than one million. Production has had its ups and downs since that time, the population in 1920 being only 1,784,000. But in the past nine years, largely as a result of profitable production and development of a broad market for early California lambs on the eastern seaboard, California's sheep population by 1925 reached 2,332,000 and on January 1, 1929, the sheep population in California was 3,850,000, and California now has the distinction of being the greatest lamb producing state.

But with such rapid growth in range flocks, over-stocking has been one of the serious evils in many instances, not only in California but in other western states. The result is that if rainfall is not sufficient to provide enough feed, a large proportion of the lambs do not fatten. Supplemental feeds, such as cottonseed cake, will carry the ewes through a dry season but the fattening of the lamb is another problem.

The marketing of thin and half-fat lambs has proven to be a serious problem to western lamb producers. If the thin lambs are slaughtered, the carcasses are not satisfactory and lamb consumption is reduced.

Mining News

VENTILATION IN METAL MINES
A study of methods of ventilating metal mines is being conducted by the mining division of the United States Bureau of Mines, Department of Commerce, as a feature of a general investigation of mining methods in the different classes of metal mines of the country.

MINING LAWS OF BOLIVIA
In Bolivia all useful substances of the mineral kingdom belong originally to the State, says the United States Bureau of Mines, Department of Commerce, in summarizing the mining laws of that republic. The soil and subsoil are regarded as two distinct parts, the latter extending indefinitely in depth. The subsoil is under the dominion of the State, which may either abandon it to common use, grant it gratuitously to the owner of the soil, or alienate it, in return for an annual fee, to any individual or association that applies for it.

COPPER MINING METHODS AT DUCKTOWN, TENNESSEE
Data regarding mining methods employed by the Tennessee Copper Company, Ducktown, Tennessee, are given in Information Circular 6149, recently published by the United States Bureau of Mines, Department of Commerce. The Tennessee Copper Co., operated two mines in the Ducktown district during 1928. The Burra Burra mine is much the larger operation and is the chief of the company's smelter and acid plant at source of the ore smelted and treated in Copperhill, 4.5 miles from Ducktown. This mine operates steadily and furnishes a regular output of about 40,000 tons per month. The Eureka mine is (Continued on Page 4)

RAILROAD DAMAGED BY FLOODS TRACKS WASHED OUT AND BRIDGES DAMAGED

The rains of the last week that have fallen so heavily in and around Patagonia, have done considerable damage. We have had heavy rains almost daily, the past week.

The wash above Patagonia sent a river of water thru the streets on Monday of this week.

The heavy rains have swollen the Sonoita river beyond bounds washing away land and the railroad suffered great damage. Two miles of track between Patagonia and Calabasas were washed out, one steel bridge bent out of usefulness, and another washed out entirely. The damage is estimated at around \$10,000.

CAMPERS' COLLAPSIBLE HOME IS MOUNTED ON TRAILER

Campers who dislike tents now may take along a collapsible home mounted on an auto trailer, says Popular Mechanics Magazine. On the road, the van folds into one-third its normal size for towing, but when parked and opened it becomes a roomy compartment with bunks, a lounge, baggage room, five cup boards, a clothes chest, stove, and cooking and dining equipment for three persons. It is fitted with a door, and rear and side windows.

Employees of a Pennsylvania tin plate mill are pledged to exercise care to prevent accidents, and raise their right hand twice daily as a reminder.

George H. Lewis of Adamsville, Mass., recently invited every person in his home town to attend his birthday party.

WALL HOSE RINGS FIRE ALARM WHEN LIFTED FROM HOOK

"Snatching a fire hose from an automatic wall cabinet will simultaneously open the hose valve, turn in a general fire alarm and register the location of the fire on an annunciator in the office of the building, says Popular Mechanics Magazine. For extremely large buildings there is also furnished a signal showing the approach to and location of the fire in the building, to avoid delay by the fire fighters in finding the point of the blaze.

RELIEVING THE LOCAL MANAGER OF THE STANDARD OIL COMPANY

C. W. Smith, relief man of the Continental Oil Company, is here in charge, while W. C. Hooks, the resident manager is away on his vacation. Mr. Hooks and his family left for the White Mountains, where they will spend three weeks fishing and enjoying an outing.

FARMER RIDES WALKING PLOW WITHOUT MAKING TURNS

Turning at the end of furrow is eliminated in a two-way walking plow to which may be attached a seat and appliance enabling the plowman to ride, says Popular Mechanics Magazine. The implement is fitted with two points set in opposite directions, and the moldboard is on a hinge with two faces, so that it can swing around. At the end of the furrow, the horses are turned on unplowed ground.

CITIZENS MILITARY TRAINING CAMP OPENS

Young men from all parts of the state will gather at Nogales August 1st to begin their months training at Camp Stephens D. Little. There will be 150 men young, of these 75 will take the first year course, 35 the infantry course and 40 will take the cavalry training. Major G. M. Halleron will be in charge of the camp.

SANTA CRUZ PATAGONIAN

J. H. Fitzpatrick
Editor and Publisher

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"LAID OFF AT FORTY"

Stuart Chase, president of the Labor Bureau, Inc., of New York, is one of the sanest commentators on modern America that the country can find. He is far from being an alarmist; indeed, he is one of the few "intellectuals" to survey the machine era and find optimism in it instead of pessimism.

Yet Mr. Chase, in an article in the current Harpers Magazine, finds one phase of modern life that makes him shake his head dolefully. That thing is the constant recurrence of the phrase, "laid off at forty," in our studies of unemployment.

The machine, speeding up all production process and steadily eliminating human labor, has brought prosperity but it has also brought unemployment—especially among the older workers. Too often, Mr. Chase points out, the approach of middle age is taken, not as the time of a man's greatest usefulness, but as the beginning of the end of his active career.

This tendency, he predicts, will spread alarmingly unless prompt action is taken. He suggests five steps he says, President Hoover could take, to obviate the trend. They are:

- 1—The collection of dependable unemployment statistics.
- 2—A reliable system of labor exchanges.
- 3—An intelligent program for the construction of public works to absorb a part, at least, of the labor surplus.
- 4—A system of unemployment insurance.
- 5—The gradual reduction of hours of labor to equalize technical improvements.

These are not radical steps. They could be put into effect without dislocating any part of our industrial or social system. And they might go far to cure one of the most distressing features of our modern civilization.

A SOLID FOUNDATION

America's industrial leadership rests on a very solid and durable foundation, according to figures published by the Outline of Business, the organ of the Central National bank of Cleveland.

In 1928 American steel mills produced 49,800,000 tons of steel.

In the same year the German mills produced 14,300,000 tons, the French produced 9,200,000 tons and the British produced 3,500,000 tons.

Thus the total production of the other three leading steel-producing nations of the world was nearly 18,000,000 tons under the American mark.

When it is considered that steel is the basic commodity in the industrial life of any nation, it is obvious that Uncle Sam's business fabric is erected on a sound basis.

THE NEWS IS ALL WET

If the first page of a newspaper is any criterion, liquor plays an important part in the days' news.

Here are some headlines that appeared on the front page of a Phoenix paper the other day:

- "Liquor Blamed for Air Crash Killing Three."
- "Farmer Slain, Another Shot, by Dry Agent."
- "Thousands Crowd Nogales Cabarets Independence Day."
- "Liquor Causes 30 Per Cent of June Arrests" (in Phoenix).

And, besides, in the first column of the page, there was an editorial by Arthur Brisbane, entitled "Wives and Prohibition."

Whatever we may think of the efficacy of the prohibition law, there is no gainsaying that liquor still plays an important part in American life.

People are still shooting one another over it and are still getting arrested for drinking it or toting it or making it or selling it or driving while they're full of it.—Dumbar's Weekly.

"IT ISN'T THE HEAT—"

Some like it hot and some like it cold but the weather is still a favorite topic of conversation. Right now, it's the heat that is claiming popular attention. By their conversation and their appearance, bedraggled and perspiring individuals add to the sum total of discomfort by testifying to their suffering.

Then a girl looking "coo as a cucumber" comes along. She is wearing dainty and comfortable clothes appropriate to the season. She has the appearance of having just stepped out of the bath tub. Her conversation would indicate that she is oblivious to the weather.

METAL MINING NECESSARY TO NATION

An increase in mining activity in the United States is a good sign of national progress. It is an old saying, and a true one, that no country has ever been great that has lacked adequate mineral resources.

The executive, engineering and mechanical branches of the industry have reached new high standards of efficiency and economy. Prices are being stabilized and the relation of supply to demand adjusted.

It is a mistake to pass harsh and restrictive mining laws. They result in curtailment of mining development and prosperity.

Mining is the basis of new wealth and should be aided in its evolution.

ASSAYING

PRICE LIST
Gold and Silver in 1 sample \$1.00
Gold, Silver, Lead and Copper or Zinc in same sample\$2.50
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ARIZONA WEEKLY INDUSTRIAL REVIEW

Tempe—Arizona Rock Products Company plan improvements at their plant to cost \$50,000.

Phoenix—Bids opened for paving portions of Acacia Street.

Forney—Bids will be opened for construction of bridge 1-A over Pima Lateral.

Chandler—Bids opened for erection of school building in School District No. 80.

Winslow—Second Street to be paved from Williamson to Snyder avenues.

Nogales—Bids opened for general repairs to city schools.

Prescott—Building permits issued for month of June totaled \$24,234.

Casa Grande—Contract awarded for installation of boulevard lighting system.

Canon—Binghamton Mine plant moved to famous old Tipton silver and tungsten mine, ten miles west of here.

Miami—Miami Copper Company has \$2,500,000 improvement program underway.

Clifton—Royal Copper Company organized recently to develop group of five claims in Mayflower district.

Phoenix—\$300,000 Theatre building to be erected here by Fox West Coast Theatre, Inc.

Nogales—Montgomery-Ward & Company to erect \$50,000 store building here in near future.

Globe—Lodge pool hall to be remodeled and new equipment installed.

Phoenix—Roberts Aircraft Corporation to start plane production soon.

Chloride—Machinery being installed by North Star Mining Company for development of Redemption and Clyde Mine groups.

Globe—Miller's Cafe installed \$2,000 musical instrument.

Caumont & Arizona Mining Company will spend \$2,000,000 for electrification of all equipment and operating units at Junction Shaft in Lowell and for enlargement and remodeling of smelter at Douglas.

Miami—Construction work started on sidewalks in this place.

Globe—Appropriation of \$1,200 made by County board of supervisors for improvement of Burch field on Roosevelt Road as flying field.

Miami—Superior highway will be oil surfaced soon.

Winslow—La Mode Shoppe opened to public recently.

Phoenix—Arizona Garment Manufacturing Company established modern plant in this vicinity.

Globe—Montgomery-Ward & Company will open store in old Federal building about January 1st.

Eager—Lesueur Mercantile Company with capital stock of \$100,000, granted incorporation papers.

Nogales—Texaco Super-service station to be erected on Elm Street.

Globe—Martin Theatre installed Vitaphone equipment.

Claypool—Pay'in Takit Store No. 53 opened for business here.

Nogales—Two-story business building will be erected on Grand Avenue just north of structure occupied by Elks Lodge and Castro Studio.

Highway being surface from south city limits of Globe to Pinal Creek bridge near Ice House Canyon.

Phoenix—\$2,500 Gift appropriated for remodeling and improving Phoenix Florence Crittenton Home buildings.

Somerton—Erection of grammar school building nearing completion.

"In all that the people can individually do as well for themselves government ought not to interfere."—Abraham Lincoln.

Home builders and construction companies are using copper as never before. The Boston News Bureau says that one city showed an increase of 75 per cent in use of copper for building purposes during the past year.

It is estimated that one million employees own one billion dollars in stock of various American corporations.—Gas Age-Record.

Frank Gilbert of Edgewater Park, Miss., caught a Spanish mackerel which had a \$5 Federal reserve note lodged in its gills.

Safe and Sound

Every business man and housewife should carry a checking account at THE NOGALES NATIONAL BANK.

Your checking account will be greatly appreciated, and You are assured of our best Service and consideration.

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FRANK JOHNSON, Proprietor

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CLASSIFIED ADS

RANCH FOR SALE—A well-equipped 405-acre ranch in San Rafael valley, Santa Cruz county, Ariz. Six large rooms, bath, pantry, acetylene lights. This ranch will be sold with all stock, implements, household furniture, poultry, etc., at a big sacrifice. If interested, write for information to

Howard Keener, Patagonia, Arizona.
Fire extinguisher chemicals may be obtained of Bert Blabon at the East Side garage, Patagonia, for all makes of apparatus.

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Eye, Ear, Nose and Throat
Specialist
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A BANK ACCOUNT WITH US IS AN AID TO PERSONAL INDEPENDENCE

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WANT A MINE?

The Santa Cruz Batholith of Arizona contains a mine for every purpose, and for every purse. There must be those who would buy a mine if they knew where they could get one. Are you one of those? If so write me specifying the price, terms and other conditions you prefer and learn how near I can come to fitting you out! Anything from a single claim to a big consolidation that would run into figures. Batholithic characteristics are: wide veins, continuous veins, big lodes that run into vast tonnage below, bellies of rich ore, and here, fine tunnel sites with depths of 1200 feet up. My immediate neighborhood has shipped \$2,000,000, this county about \$25,000,000 while within about fifty miles from my house the production has been more than a billion dollars. The richest mineral land in the world.

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PATAGONIA, ARIZONA

Patagonia Garage
Stanley Stoddard, Proprietor

Shell GASOLINE

TRY SHELL GASOLINE AND NOTE THE DIFFERENCE

Let Us Grease and Oil Your Car!

We are Equipped to do your repair work.

Chaplains Corner

There belongs to every human being a "Higher Self and a Lower Self".

Both striving for the mastery, when the great within is awakened and the "Lower Self" is conquered we have the powerful personality, the great mind, the irresistible character—the redeemed soul.

Every man must sign his own "Declaration of Independence" before he can celebrate the Fourth of anything.

No vision of glory nor of duty can be seen by eyes that are shut.

The live wire—sort of a man—soon awakes and understands that he is slipping thoughtlessly into habits that will make him less manly—less self-controlled—less like the man he ought to be.

Can you face your own wrongs—mistakes—failures—short comings bravely and set about to correct them?

If you are not too big—you are too small to perform the duties of life.

To see a fine act done—or hear a brave ringing word spoken, can produce but one result—Viz: to make our own lives and the lives of our comrades finer—cleaner—purer—better.

Write down the word Vision—and you begin to experience moral reach and spiritual power.

The moral is to the physical as TEN is to ONE.

Morality is a horizontal line—running from man to man.

Spirituality is a perpendicular line—running from man to God.

Have you a mission—a purpose in life? What is it? Are you growing better day by day—in thought—in word—in deed?

You can't separate a man from his message—his life—As a man thinketh so is he.

You can't live apart and out of relation with your fellowman and get the best out of life.

You can't fool the crowd, they will soon get your measure.

When God measures a man he does not put a tape around his head—nor around his purse—but around his heart.

Don't get too chesty over your success—there are others.

It isn't necessary to be in a big place to do big things—It's everybody's business how you live.

Don't throw your ticket away when the train goes into a tunnel—Its coming out on the other side.

You can't think East and walk West—it isn't done that way. If you live wrong you can't die right.

To train a child in the way it should go—you must go that way yourself.—The Bullet.

SECRETS OF SUPERWARSHIPS REVEALED IN ENGLAND

Deck armor, more than six inches thick, protects two British warships, recently completed, from aircraft bombs and also from high-angle fire from other vessels, says Popular Mechanics Magazine. This armor, on the capital ships "Rodney" and "Nelson," is more efficient than that built into any other vessels. In addition, the ships have a main belt of armor, fourteen inches thick around vital parts of the boats and the armor protecting the gun platforms and magazines is even thicker.

TOY EXCHANGE LETS CHILDREN BORROW PLAYTHINGS

Boys and girls who tire of their toys may take them to a toy exchange and turn them in for other playthings more to their liking, under a system worked out by the playground association of Philadelphia for its recreation centers, says Popular Mechanics Magazine. The exchange operates along lines similar to the circulating library, toys being gathered at the playgrounds and the children selecting the playthings they like best and using them to their heart's content. When the novelty wears off, they return them and select something else.

CITY HILL MOVED OVERHEAD WITHOUT STOPPING TRAFFIC

Moving a hill from the heart of a city, carrying it over streets without interfering with traffic, and dumping it from barges that turn turtle to empty themselves, is an interesting engineering task in progress at Seattle, Wash., says Popular Mechanics Magazine. The project involves the handling of approximately 4,500,000 cubic yards of earth and transporting it more than a mile to the bottom of Elliott bay.

CROOKED SCREWDRIVER SHANK GIVES ROTARY ACTION

Rotary action is given to a screwdriver by a U-shaped crook in the shank with an elongated side nearest the handle, forming an angle between handle and blade which gives an easy action in driving a screw, says Popular Mechanics Magazine. Small screw can be started without holding and, in many cases, but one hand is required to do the work.

Fish that toy with bait before they strike send flashlight signals to anglers whose rods are equipped with a visible warning apparatus consisting of a small battery and an appliance which fits on the fishing rod in such manner that contact is made and a light flashes when the line is pulled even gently, says Popular Mechanics Magazine.

U. S. BIRDS FIND VENEZUELA IS WINTER RESORT

Venezuela is the favorite winter resort of feathered North American tourists seeking warm climates, an expedition sent there to study bird life by the National Geographic society has found, says Popular Mechanics Magazine. Although in the tropics, the varying elevations offer a variety of climates, many of which are comparable to those found in the United States, but the birds usually seek the warmer, sunnier regions.

"No man of 30 knows much," says President Hutchins of Chicago University, who is 30.

Milton S. Gorwall and Henry Owen have worked together in a New York printing office for more than 50 years.

878 Comparisons Prove It America's finest medium priced automobile

In a most thorough analysis of motor car values today's Oakland All-American Six was compared with 20 other medium-priced cars in 878 individual comparisons. In these 878 comparisons, Oakland proved distinctly superior on 451 items or 51.37 per cent. All twenty cars combined were at best equal to Oakland on 382 items or 43.50 per cent. And thirteen of the twenty cars included in this group are higher-priced than the Oakland.

We are prepared to give you the complete returns from this analysis. Let us show you the 878 comparisons which prove Oakland America's finest medium-priced automobile.

PISTON DISPLACEMENT
Large piston displacement is needed to develop high power at moderate engine speed. Moderate engine speed is an important factor in the life of a car.

FISHER BODY
No name in automobile coach building means so much as Fisher. Fisher bodies are famous for style, luxury and roominess. In addition, they hold such advantages as sturdy hardwood and steel construction, VV windshield, and adjustable drivers' seats.

How Oakland compares with the field
Oakland's 228 cubic inch piston displacement is greater than 12 of the 20 cars in its price field. Of the 8 remaining cars, 7 are much higher priced than Oakland.

Only Oakland and two other cars in the field offer bodies by Fisher. And one of the two is nearly \$100 higher in price than Oakland. Of the 18 cars which have less-known bodies, 11 are priced above the All-American Six.

Prices, \$1145 to \$1375, f. o. b. Pontiac, Mich., plus delivery charges. Spring seats and Shock Absorbers included in list prices. Bumpers extra. General Motors Time Payment Plan available at customer's rate.

Consider the delivered price as well as the list when comparing automobile values. Oakland delivered price includes only reasonable charges for handling and financing when the Time Payment Plan is used.

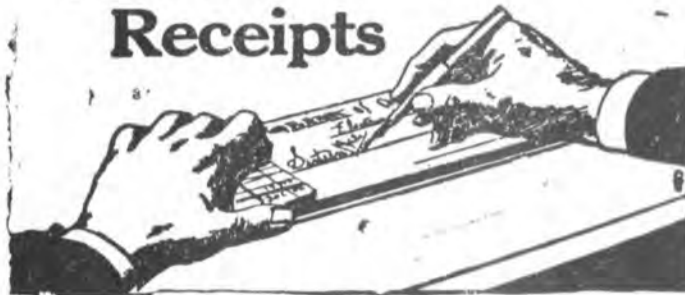
\$1145 AND UP
CARTER MOTORS INC.
Nogales, Arizona
OAKLAND
ALL-AMERICAN SIX
PRODUCT OF GENERAL MOTORS.

LUNCHES SOFT DRINKS
Complete line of
Drugs and Jewelry
Registered Pharmacist
M. J. Kern
PATAGONIA DRUG Co.

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.

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

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

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 uses 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 stage 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 hillside.

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

MINING NEWS

J. C. Penney Co. Inc.

111 Morley Ave., Nogales, Arizona

A Sale? NO!

These Saving Opportunities Are Part of Our Everyday Service!

Buy Comforts From a Fresh Assortment

Fashionable plain sateen comforts—and fancy figured ones, too, with a plain color border. These are soft and light weight, though comfortably warm.

\$3.98

Double Cotton Blankets

Plain Colors \$1.98
Practical plain color blankets... college-bound girls and boys will delight in them. Size 70x80. The low price is only, pair

Emphasizing the Savings of 1400 Stores Buying As One!

Blankets

At Thrifty Low Prices!

Now is the time to buy blankets! Avail yourself of the values we achieved by early buying! A complete stock of assorted sizes and qualities... at notable savings!

Single Plaid Cotton Blanket, light-weight—size 70x80... 98c

Double Plaid Cotton Blanket, wool finish; sateen bound... \$2.98

Plain Color Reversible Cotton Blanket; sateen bound \$2.98

Part-wool Double Blanket; size 72x84; 5-lb. weight... \$3.98



A small deposit will hold blanket purchases for you!

Wool Blanket Double-Plaid

A soft, warm blanket of all wool—size 66x80.

\$8.90

Comforts

Cotton Filled Covered with figured silkline with plain sateen border and filled with good quality white cotton.

\$2.98

Blankets Wool Filled

Soft and warm... a 50% wool filled blanket with sateen bound ends... weight 4 1/2 pounds... pretty plaid patterns. Size 70x80. Pair

\$4.98

(Continued from Page 1)
operated irregularly and produces a much smaller tonnage of high-sulphur ore, the rate of output depending upon the demand for sulphur. During 1928 about 60 per cent of the combined output of these mines was shipped directly to the smelter, and the balance was concentrated before shipment in the flotation plant located near the mines.
Information in regard to the physical characteristics of the ore area and present development and mining methods, underground transportation methods, mining costs and the working of the wage, contract and bonus system in vogue, is given in this circular, by C. H. McNaughton, copies of which may be obtained from the United States Bureau of Mines, Department of Commerce, Washington, D. C.

ACCIDENTS IN METAL MINES DUE TO FALLS OF MEN AND MATERIAL

More than one-third of the total accidents in metal mines can be attributed to falls of ground in some form, according to the United States Bureau of Mines, Department of Commerce. In metal and non-metallic mineral mines during a 15-year period, 30.17 per cent of all fatalities and 18.57 per cent of all injuries were caused by falls of rock or ore from the back or roof or from the wall; 1.24 per cent of the fatalities and 11.05 per cent of the injuries were caused by rock or ore while loading at the working face; 6.66 per cent of the fatalities and 2.49 per cent of the injuries resulted from men falling down a chute, winze, raise or slope; and run of ore from chute or pocket caused 1.48 per cent of the fatalities and 1.98 per cent of the injuries. Hence, accidents due to falls of men and material cause 39.55 per cent of the fatalities and 34.06 per cent of the injuries in these mines.

It is probable that a large percentage of accidents due to falls of ground in metal mines are avoidable, the Bureau points out. Many miners are negligent in properly barring-down loose material before commencing to drill, and the vibrations set up by the drilling cause rock to fall. Often the ground contains treacherous slips or seams and there are places where ground of this kind is in such large blocks that it will not sound "dummy" when tested. The boss or safety engineer, being familiar with the character of the ground, should warn new workmen of such danger. In some instances accidents could be prevented if proper timber were available for the miner to make his assigned working place safe. The alert boss will always make it a point to have proper material on hand for his men to work with. There are many unavoidable accidents which no amount of barring-down or timbering will prevent, such as the breaking off of portions of rock where holes are being started. To avoid injuries resulting from this type of accident the Morenci Branch of the Phelps Dodge Corporation has

designed a guard which fits over the handles of stopping machines, and all miners are required to wear goggles when starting holes in order to avoid eye injuries. Another stringent rule of this company is that no one is allowed underground without a "hard-boiled hat."
In stopes and drifts where it is necessary to use timber, the use of stringers to the breast when there is not room for timber will aid in the elimination of many roof fall accidents. At the Nevada Consolidated Copper Company's mines in Ray, Ariz., either stringers are used or else drifts are timbered to the breast. At the Miami Mine, Miami, Ariz., a unique method of using stringers to avoid the necessity of a bridging piece is employed. Iron hangers fit over the caps and a hook on the lower end supports railroad rails, used in lieu of wooden stringers. It is a very easy matter to cover these rails with plank.

Probably the majority of accidents are the result of carelessness on the part of the workman and of supervising officials, it is said in Serial 2944, by F. D. Cannon, assistant mining engineer, recently published. Men working in mines are given less supervision than any other class of underground employees and these men become careless. Safety belts, hard-boiled hats, safety shoes, safety leggings, goggles, and similar safety clothing reduce accidents. Guarding shafts, cages, chutes, and winzes and properly timbering these places aid in accident prevention. If those in charge of the mine management supply such safety devices as may be available, encourage the wearing of various kinds of safety clothing, and in addition promulgate safety regulations, they place themselves on record as being wholeheartedly in favor of safety, but there will be little if any reduction in accidents unless strict observance of safety practices is demanded and enforced through constant supervision. If strict supervision is given all workers, accidents from fall of men and materials will be practically eliminated.

SELECTED BIBLIOGRAPHY OF MINERALS AND THEIR IDENTIFICATION

In response to many inquiries for the names of elementary books on geology, mineralogy, methods of identifying minerals, prospecting and similar subjects, a selected bibliography of minerals and their identification has recently been issued as Information Circular 6148, by the United States Bureau of Mines, Department of Commerce. As many of the inquiries are received from those who have limited technical knowledge of the subjects involved, the bibliography includes the simpler texts which present the subjects in nontechnical language. Other texts contain glossaries which define the technical terms used. A short note following the title indicates the character of each book, the number of

pages, and the price. Thus, elementary mineralogists, geologists, prospectors, mineral collectors, nature students, or travellers may select the texts that best suit their requirements and their capabilities.

To supply the needs of more advanced students, quite a number of the standard texts used in schools and colleges are included in a second group. A short list of books on economic geology and mineralogy has also been added.

Copies of Information Circular 6148, "Selected Bibliography of Minerals and their Identification," by Oliver Bowles, may be obtained from the United States Bureau of Mines, Department of Commerce, Washington, D. C.

SWIMMERS GET NEW THRILLS FROM OLD TIRES

Automobile tires, always a source of fun in the water, are being used to give divers an extra thrill. The tire is carried to the edge of a springboard, where the diver kneels inside it, bracing himself with feet, knees and shoulders against the inner rim of the tire, says Popular Mechanics Magazine. The tire with the diver inside then is rolled off the springboard.

GREAT GUNS ON RAIL TRUCKS GUARD THE CAPITAL

Eight-inch cannon, mounted on railroad cars, were used recently at Cape Henry in maneuvers to resist an attack by a fictitious enemy fleet intent on proceeding up the Potomac river to lay waste Washington, says Popular Mechanics Magazine. The railroad guns were manned in the battle practice by coast artillery contingents of Fort Story, Virginia.



Children Cry for

Fletcher's CASTORIA

MOTHER! Fletcher's Castoria is a harmless Substitute for Castor Oil, Paregoric, Teething Drops and Soothing Syrup, 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. Follow directions on each package. Physicians everywhere recommend it.

SEE OUR WINDOWS

For Specials

IN

Shirts
Shoes
Suits
Hosiery

Quality merchandise at amazing prices.

BRACKER'S

Army Store

"The House of Quality"

NOGALES,

ARIZONA

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 Beaver Bldg., Madison Wisconsin
F. J. K. McBride
Secretary

By PEARL JONES

Endorsement on Jacket
State of Arizona)
) SS

County of Santa Cruz)
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.

Molly, a big Maltese cat kept in a Chicago warehouse, is mothering five unweaned rats, whose mother she is supposed to have killed.

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.

Write Today for Catalog, Free and name of nearest Mead Dealer.



CUT ON THIS LINE

Mead Cycle Co., Chicago, U. S. A.

Please send full information and name of nearest dealer.

Name _____
Street or P. O. Box _____
Town _____
Special Offer _____ State _____

Tires \$1.50 Each

Guaranteed.—Lamps, wheels, equipment. Low prices. Send no money. Use the coupon.

Mead Cycle Company Dept. X Chicago

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 of all 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 inconsistent with law, in any part of the world, as the Board of Directors may deem to be 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 suc-

sors have been elected and have qualified, the following named persons shall be the directors: A. F. Gross, Forrest Gross, W. J. Haake, H. R. Aldrich, and A. P. Puelicher. The Directors 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.

ARTICLE VIII—Duane Brad 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 endorsed thereon, to have the same force and 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)
) SS

County of Santa Cruz)
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 acknowledge to me that they executed the