

THE CAPITAN MOUNTAINEER

Tenth Year, No. 40

CAPITAN, LINCOLN COUNTY, N. M., FRIDAY, MARCH 6, 1925

Subscription Price, \$1.50 a Year

Oil and Gas Back Pressure Is Tested

Experiments Conducted by Bureau of Mines.

Washington.—The result of a series of experiments conducted by the Department of the Interior engineers to ascertain the effect of back pressure on the production of oil and gas are outlined in a paper by T. E. Swigart and C. R. Bopp, and recently issued by the Bureau of Mines. The experimental work was designed especially to determine how far the gas production of an oil well can be curtailed while the sand still contains plenty of gas, which can thus be saved to do work during the later life of the well.

"Virtually all oil men agree that when the gas is gone the average oil well, except one that produces under a water head, is practically exhausted," say the engineers. "Experienced oil men agree that if gas could be conserved and the rock pressure in the oil sand thus sustained above the usual level, the flow of gas would decline more slowly. This, of course, would result in a greater total ultimate production of oil from each well."

To hold back pressures on pumping wells will cut down the daily gas production as well as the total number of cubic feet of gas produced with each barrel of oil. The practical application of the back-pressure method is limited, however. The amount of back-pressure that can be held also depends on a number of variable factors difficult to weigh until actual experiments are made.

The operator who wishes to hold some back-pressure on his oil wells and thus delay the exhaustion of natural gas from his property must consider the possible effect if his neighbor continues producing at lower pressures or at atmospheric pressure. It is believed that under ordinary circumstances an operator who holds back pressures of more than five or ten pounds on his own wells—if they are offset at the usual distance—will be liable to lose oil by its migrating to a neighbor's well that is producing at atmospheric pressure.

Prediction May Be Prolonged.

An agreement between oil operators in a field whereby everybody held some pressure would be most desirable. Under such an arrangement the real pressure in fields that now practically exhaust their gas within a few years would be maintained at comparatively high levels for many years.

In general high back pressures can be held on wells on the "dead" wells of large areas, or on all wells of certain grades without seriously reducing the present daily production, and without danger of the loss of oil by migration. Perhaps the most difficult case to handle is that of the operator who has a relatively small tract on which every well is a live well. Back pressures higher than enough to collect the casing-head gas cannot be recommended to such an operator unless his neighbors will put up pressure also. If an operator owns a lease of 100 acres or more on which he has inside locations he could probably afford to hold his inside wells under pressure and his live wells at the pressure, or a little above the pressure on his neighbors' wells if they were producing at lower pressure.

"As long as wells are not closely offset by other wells producing at atmospheric pressure, fairly high back pressures should not so reduce the present daily oil production that an operator would not be justified in holding pressure also. If an operator owns a lease of 100 acres or more on which he has inside locations he could probably afford to hold his inside wells under pressure and his live wells at the pressure, or a little above the pressure on his neighbors' wells if they were producing at lower pressure."

Back Pressure in the Field.
As regards the application of back pressure in the field, the need for care

fully regulating pressure and determining efficiency is paramount. Slip-shod operating methods are almost certain to fail wholly or at least partly. Experience gained in the Bureau of Mines tests leads to the belief that a careful study of conditions, combined with frequent simple field tests, would enable an operator to obtain good results.

"Oil and water must be gauged accurately. The daily gauges of nearby wells and of the lease also should be watched.

The casing-head gas production of wells or units of more than one well is quite as important as the oil production because upon both depends the efficiency of the method. The operator will have to choose the best method available for measuring gas production. Under ordinary circumstances the dead-line gas production will not be large enough to warrant careful measurement, particularly if gas anchors are installed before the tests are started."

The back-pressure method of handling wells is not recommended by the Bureau of Mines for indiscriminate use in many localities; it will be practical. The Bureau feels, however, that these tests indicate the possibilities of holding pressure and increasing the efficiency of production of oil. The Bureau adds that the chances for increasing

Beasts of Prey Attack Mountain School Folk

Wenatchee, Wash.—The danger of attacks by wild animals on students attending the schools in the mountain districts near here has become so great that many of the pupils, even the younger children, are carrying rifles to shoot them with. This practice resulted largely from the recent attack by a couger on Jimmy Behnke, who was killed by the animal.

Verde Smith, thirteen, was returning to his home from school when a lynx attacked him. He shot and wounded the animal with a small rifle. This enraged it and it was only by fighting fiercely and with the aid of his dog that the lad managed to escape death. A farmer killed the animal.

Arthur Parrel, sixteen, another student of the same school, killed a rabid coyote. Wild animals have been driven to lower altitudes this year because the severe winter has wiped out their ordinary sources of food supply.

ing the ultimate oil production seem to warrant consideration of this, or other improved methods that may be developed.

Copies of this paper may be obtained from the Department of the Interior, Washington.

NEWS TO DATE IN PARAGRAPHS

RECORD OF IMPORTANT EVENTS CONDENSED FOR BUSY PEOPLE

DURING THE PAST WEEK

CAUGHT FROM THE NETWORK OF WIRES ROUND ABOUT THE WORLD

WESTERN

Decommission of an 80 per cent stock dividend was announced recently in Los Angeles by officials of the Union Oil Associates following the annual stockholders' meeting of the Union Oil Company of California and the Union Oil Associates, the latter of which is the holding company of the former.

A motion by the government for confirmation of the Teapot Dome lease-commission trial, set for March 9, was filed in the federal court for Wyoming by Albert D. Walten, United States district attorney. The motion is signed by Atto Pomerene and Owen D. Roberts, special oil counsel for the government.

Guarino Krasco, the Alaskan musher who made the long trek into Nome with serum for diphtheria victims, is coming to Hollywood with his famous lead dog, Balto. A motion picture company of Hollywood, which has signed a contract with Krasco for the making of a film, received word that he would start immediately on a thirty-two-day journey bringing him to Nome, Alaska, where he will continue by trail and steamer to Hollywood.

Flaggs were at half mast throughout Sweden in honor of Hjalmar Branting, former premier, who died recently. All classes observed their regret at the passing of one who was regarded as among Sweden's greatest statesmen.

Starting bad been ill for several weeks and various complications developed. Gallstone inflammation set in while his vitality was already ebbing.

Gregory Pyatoff, chairman of the concessions committee of the Soviet government, recently issued a statement in Moscow which indicated that the government considers the Sinclair Oil concessions in Bagdad virtually dead. The statement says the agreement with the Sinclair interests was not abrogated by the Russo-Japanese treaty, but rather by the Sinclair company's own act in failing to carry out the terms of the agreement within a specified time.

A dispatch to the London Telegraph from Athens says a dispute has arisen with the American legation concerning the importation of American flour into Greece. The Greek government alleges that harmful results have accrued from the over-activity of the flour, and it has prohibited the entry of any flour of more than 160 degrees acidity. The dispatch adds that the American legation has declared that the prohibition is practically a ban on American flour.

GENERAL

J. Frank Lilly, who is part Indian, and who gave up a promising career as an educator and opened a Wall Street bucket shop, was ordered to bring \$100,000 to cover three to six years for first degree grand larceny in New York City. When his brokerage firm failed in 1910 there were only \$50,000 of assets to cover \$1,500,000 of liabilities.

A world record for Swiss 4-year-old cows has been established at Hampton, Iowa, by Goldie Merriman, a cow owned by Dr. C. F. Oberle. The cow produced 676.18 pounds of butterfat in the 300 days ending Jan. 31. The previous record for brown Swiss cows of this age was 762.60 pounds of butterfat, made by Sterling Prida of Lakeview, Colo., when the latter leaves March 4 to become a member of a special reclamatory board.

WASHINGTON

Plans of the French government to seek to have loans from New York banks' interests are expected to be scrutinized somewhat closely by the American government.

January production of automobiles in the United States and Canada amounted to 212,000 passenger cars and 23,000 trucks. The Canadian portion of the total was 9,500 passenger cars and 1,500 trucks.

John H. Edwards of Mitchell, Ind., has been promoted by President Coolidge from the post of interior department collector to that of assistant secretary under Richard W. Austin. He will succeed Francis M. Goeppert of Spokane, Wash., when the latter leaves March 4 to become a member of a special reclamatory board.

The name of Senator Helm O. Burleson, Republican, New Mexico, has been added to the list of United States senators tried for violation of the mail and wire-tapping laws.

The appointment of James P. Barnes of Fort Dodge, Ia., as national adjutant of the American Legion was announced in Des Moines a few days ago by National Commander James A. Drane. Mr. Barnes has been adjutant of the Iowa department of the American Legion for several years and Commander Drane said he had been chosen for the national post from a large list of eligible candidates.

Announcement was made recently in New York of a preliminary gift of \$1,000,000 by Simon Guggenheim, mining magnate and former United States senator from Colorado, to endow John Simon Guggenheim memorial foundation fellowships for advanced study abroad. The fellowships, to be awarded on a program even broader than that of the Cecil Rhodes scholarships, will be a memorial to Mr. Guggenheim's son, who died in 1923 while preparing for Harvard and later studying abroad.

All but three of the fifty-one stations of the City Coal mine disaster had been occupied for at Milligan, Indiana, by identification of those lying in the two energies bordering the town square, and actual count of the bodies which will lie at the bottom of the shaft in the death chamber bordering the outskirts of the city.

Both trains were from New York.

The engineer of the Havana line had, known as the "Atlantic Coast Line Express," which runs from New York to Miami, Fla., and two railroad car inspectors were killed.

AMERICA LURE TO SWEDEN

Stockholm.—The lure of the "gold-wrecker" is as strong as ever in Sweden, and the applications for visas received at the United States consulate have practically exhausted the quota for the remainder of the immigration year.

Fox Farm Pays

Escanaba, Mich.—Sixty thousand dollars is the yearly business of the Delta River Fox farm near here.

Thirty pairs of silver foxes were sold at an average price of \$2,000.

FOREIGN

The former boy emperor of China has fled Peking. Desiring his refuge in the Japanese legation, Huan Tung, presumably disguised as a couple, made his way by train to Tientsin. He was followed on another train by his wife and retinue.

S. Parker Gilbert, agent general for reparation payments recently issued a statement in Berlin covering receipts and disbursements for the month of January. In that period he received 108,917,507.74 gold marks, and paid out 103,675,342.03 gold marks.

The board of directors of Minnitsa casino have sworn out a warrant for the arrest of Lt. Gen. Osborn Wood, son of General Wood, governor general of the Philippines. The complainant alleges that Wood uttered a check for \$5,000 francs on Lloyd's bank when he was without sufficient funds.

The conference report, practically substituting the House bill for that passed by the Senate, was accepted by the Senate after short debate.

The vote was 69 to 12, eight Democrats and four Republicans voting against the conference report.

Although it is known through the medical bulletins issued from Buckingham palace that King George's condition is not serious as a result of his attack of bronchitis, the fact that his physicians have ordered him to the Mediterranean for the remainder of the winter has caused quite a stir, of which London newspapers take full advantage for front page display.

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Both trains were from New York.

The engineer of the Havana line had, known as the "Atlantic Coast

WAGE INCREASE IS PROVIDED

POSTAL PAY MEASURE PROVIDES BOOST OF \$300 ANNUALLY IN SALARIES

POSTAL BILL IS PASSED

SUBSTITUTE BY HOUSE IS FORMED IN WHICH SENATE APPROVAL AL IS GIVEN

Washington.—The postal pay and rate increase bill has received final congressional approval and has been sent to the President.

The conference report, practically substituting the House bill for that passed by the Senate, was accepted by the Senate after short debate.

The vote was 69 to 12, eight Democrats and four Republicans voting against the conference report.

Safe blowers entered the Liberty garage at Capitan, blew the safe open and escaped with about \$10 in cash. The safe was demolished. No trace of the thieves has been found.

Eastern capitalists, who have been in Las Cruces for several days, announced that they will erect a large cotton compressing plant similar to the one now in operation in El Paso. A site of several acres has been selected.

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The measure provides for an average increase of about \$300 annually in postal employees' salaries, effective as of June 1, this year, and increased postal rates effective April 15 next, to raise about \$30,000,000 of the \$25,000,000 required for the pay advances.

The bill also carries on a "rider" a corrupt practices act strictly limiting campaign expenditures of congressional candidates as recommended by the Senate campaign funds committee.

The salary increases are the same as carried in the measure passed at the last session and voted by President Coolidge.

While no limit is placed on the rate increases, the bill provides for a joint congressional committee to conduct hearings this summer with a view to recommending further revision of these schedules, or the next session.

Controversy over the rate increases entered on the second and fourth clauses. In the former, the rate is made uniform on all mailing matter at 1½ cents a pound, while for advertising sections the rate is 2 cents; 1 cent a pound in the third class; 2 cents a pound in the fourth, fifth and sixth classes, and 3 cents a pound on the seventh and eighth classes.

In the fourth class a service charge of 2 cents a pound on all parcel post packages is established, with the present basic rates unchanged. A "special handling" service also is created with a charge of 25 cents a package.

In the first class the rate is 1 cent for private mailing cards and commercial cards in advance from 1 to 2 cents. In the third class the rate is increased from 1 to 1½ cents for each two ounces. All matter under eight ounces must be sent, in this class and all over that amount to the fourth class.

Increases recommended by the post office department for money orders, registered mail, insurance, collect-on-delivery and special delivery services were retained in the bill without change.

Shipments of manganese from the mines of the Grant County Mining Company during the year recently, were over 600 tons according to reports of Leo Gentile, manager.

Additional equipment will be added at the mines so that the shipments will soon be boosted up to 1,200 tons per week in the next sixty days in order to take care of the future business.

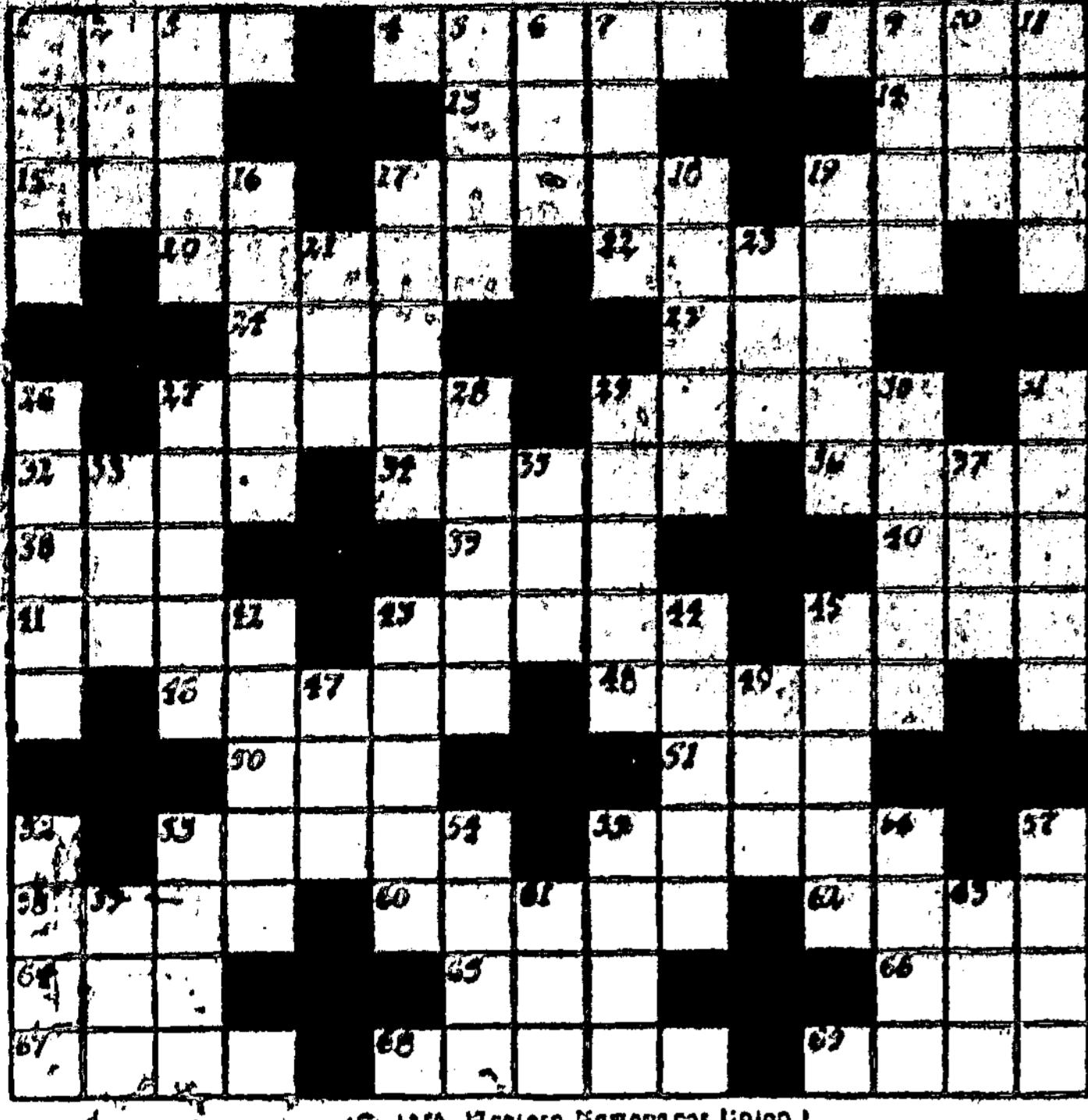
Orders for steel in hand by the Colorado Steel and Iron Company at Durango, Colo., are very large and the mills are over 100,000 tons from the Santa Fe, and this assures the steady mining of manganese in Silver City for many months to come.

Santa Fe Baptists will soon start work on the erection of one of the great churches in that part of the state. The plans have been completed and actual construction will begin in thirty days.

The dates for the state basketball tournament have been set for March 6 and 7, according to a report given out by John Hill, superintendent of the city schools of Albuquerque. Nearly every part of the state will be represented and the sectional tournaments will all be completed by the first of the month so the competing teams will be selected by the time of the opening date.

Estancia has a bank again. The First State Bank of Estancia opened last week, having been moved there from Corrales, Lincoln county, where it was formerly known as the Farmers and Merchants Bank. The bank has a capital of \$25,000 and former State Senator L. M. Estes is the president. This is the only bank in Torrance county which has been without one for several months.

Our Cross Word Puzzle



CAPITAN MOUNTAINEER

Published every Friday in the heart of America's Hunting, Health, Resort and the Agricultural, Horticultural, Mineral and Stock-raising districts.

L. L. BEARD, Editor and Owner
Entered as Second-Class Matter at the Post Office in Capitan, New Mexico.

POLITICALLY INDEPENDENT

Any erroneous reflection on the character, standing or reputation of any person, firm or corporation which may appear in the Mountainer will gladly be corrected as soon as it is brought to the attention of the publisher.

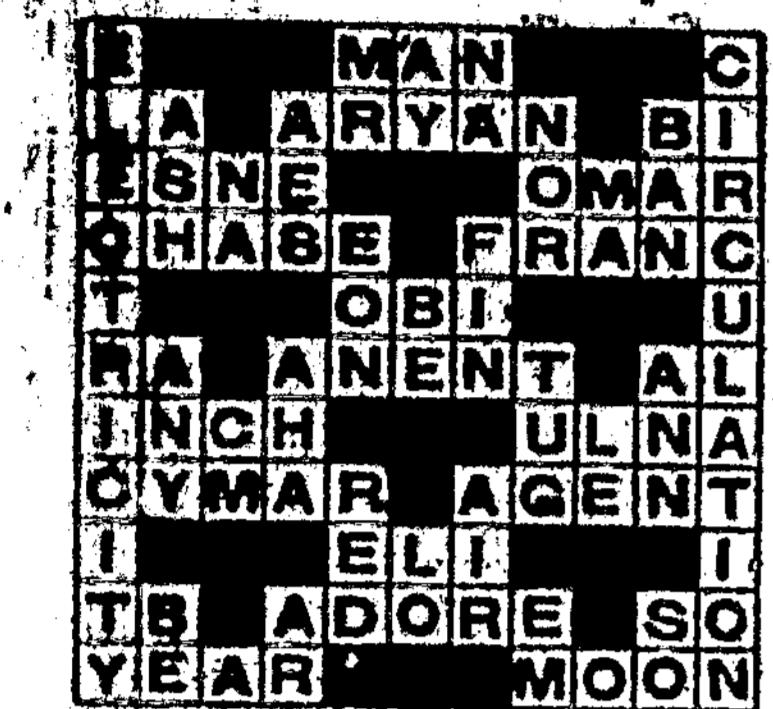
Subscription Price: \$1.00 per Year.

Obituaries, Resolutions, Classified Advertising, Cards of Thanks and other mattering "news" at 10¢ per line first insertion, and 5¢ per line for each consecutive insertion thereafter.

Display advertising rates on request. Payment advertising cash in advance unless otherwise contracted.

Telephone 1562.

Solution of Last Week's Puzzle

**NOTICE FOR PUBLICATION**
Department of the Interior
U. S. Land Office

Roswell, N. M.

NOTICE is hereby given that John L. Walker, of 903 Pennsylvania Ave., Roswell, N. M., who, on April 21, 1920 and Nov 20, 1920, made Hd. and Addl. Hd. entries, Nos. 047389 and 047390, for SE $\frac{1}{4}$, E $\frac{1}{4}$ SW $\frac{1}{4}$ Section 15, W $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14, NE $\frac{1}{4}$, E $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23; W $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23, Township 5-S., Range 16-E., N.M.P. Meridian, has filed notice of intention to make Three year Proof, to establish claim to the land above described, before L. L. Beard, U. S. Commissioner, at Capitan, N. M., on 23rd day of March, 1925.

Mr. and Mrs. A. Andrews of Lincoln passed through Capitan recently.

E. H. Keller and wife of the Nogal Mesa country were recent visitors to our town.

Carl E. Keiper and Mr. Tukey of Nevada, Mo., were here recently looking over our country.

Scott Hagie prominent young farmer of the Alto country was transacting business in Capitan Thursday.

Miss Mary Fritz, County School Superintendent was over from Carrizozo the first of the week on a visit to her parents.

Frank Morris returned the last part of last week from Hot Springs where he moved the household effects of J. A. Phillips.

The concert given at Ft. Stanton last week by Miss Merle McClure and Mr. Schrieber is reported by those who attended as a very high class entertainment.

C. H. Dixon of the Capitan Gap country was here the first of the week mingling among his friends and acquaintances also looking after business.

Forest Supervisor O. Fred Arthur of Alamogordo was here this week. He was accompanied by his brother-in-law Mr. Roberts of Ohio.

Word has been received in Capitan that Mrs. Squat Hale has been operated on at Dallas, Texas, for loss of her voice and that she has completely regained her power of speech.

Colonel J. D. Walker and son Charles W. Walker made a business trip to Roswell this week. They report much business activity—greatly influenced by the new oil fields of the Pecos Valley.

Mrs. W. C. McDonald widow of the late William C. McDonald first state governor elected by the people after Statehood and a man universally respected as one of the most beloved citizens our county, was here Wednesday accompanied by her daughter Mrs. T. A. Spencer, Mrs. Albert Zeigler and Mrs. Katty Allen.

DAN C. SAVAGE
U. S. Commissioner
Qualified to attend to all matters pertaining to homesteads.

Roswell, New Mex.

LOCAL NEWS ITEMS

H. F. Dockrey will soon move back to his ranch.

Robert Ferris of Fort Stanton was here this week.

William H. Hazelwood of the Gap country was in Thursday buying supplies.

J. A. Adams of the Paradise Valley neighborhood was a recent business visitor to our town.

Henry Morris the new millman of Boca Canyon was in Capitan Sunday.

Merle Wingfield of the Ruidoso country was here lately on business.

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HAROLD HURD
Attorney At Law
SPECIAL ATTENTION TO
U. S. LAND OFFICE
MATTERS

ROSWELL, N. M.

J. A. Phillips and family left last week for Hot Springs, N. M., where they went for the benefit of Mr. Phillips' health—he having been afflicted with a bad case of rheumatism for a year or two, and it is thought that by taking the hot baths that he may soon recover. He has leased his grass and cattle to H. G. Shanks.

Mrs. George A. Titworth entertained for Mrs. J. L. Mann at luncheon and cards Feb 23rd. Rose colored sweet peas decorated the beautifully appointed table. Covers were for 8.

NOTICE FOR PUBLICATION

Department of the Interior
U. S. Land Office

Roswell, N. M.

February 7, 1925.

NOTICE is hereby given that David E. Brooks, of Capitan, N. M., who, on January 30, 1922, made Hd. entry No. 050065, and on April 1, 1922, made Add'l. Hd. entry No. 050066, for NE $\frac{1}{4}$, E $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18, NE $\frac{1}{4}$ Sec. 24, T. 6-S., R. 15-E., Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, Township 6-S., Range 16-E., N.M.P. Meridian, has filed notice of intention to make Three year Proof, to establish claim to the land above described, before L. L. Beard, U. S. Commissioner, at Capitan, N. M., on 27th day of March, 1925.

Claimant names as witnesses: Lester Haley, Clinton Bell, J. H. Norris, and H. L. Brooks, all of Capitan, New Mexico. JAFFA MILLER, Register.

(Re-Publication)

NOTICE FOR PUBLICATION
Department of the Interior
U. S. Land Office

Roswell, N. M.

February 7, 1925.

NOTICE is hereby given that Thomas J. McKnight, of Roswell, New Mexico, who, on December 16, 1919, made Additional stock-raising homeestead entry, No. 036836, for SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, E $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 12, Township 13 S., Range 17-E., N. M. P. Meridian, has filed notice of intention to make final Proof, to establish claim to the land above described, before Register and Receiver, U. S. Land Office, at Roswell, New Mexico, on the 10th day of April, 1925.

Claimant names as witnesses: Juan Montez, Roberto Chavez, these of Glenwood, N. M., Jesus M. Montez, Diego Salcido, these Hondo, N. M.

JAFFA MILLER, Register.

NOTICE FOR PUBLICATION

Department of the Interior
U. S. Land Office

Roswell, N. M.

February 9, 1923.

NOTICE is hereby given that Justino Siliva, of Picacho, N. M., who, on February 21, 1920, made Add'l. Stock raising Hd. Entry, No. 045441, for SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 19, Township 11-S., Range 19-E., N. M. P. Meridian, has filed notice of intention to make final Proof, to establish claim to the land above described, before L. L. Beard, U. S. Commissioner, at Capitan, New Mexico, on the 27th day of March, 1925.

Claimant names as witnesses: George Kimbrell, Camilo Nunez, Rómaldo Topia, and Sam Kenney, all of Picacho, New Mexico.

JAFFA MILLER, Register.

NOTICE FOR PUBLICATION

Department of the Interior
U. S. Land Office

Roswell, N. M.

February 4, 1925.

NOTICE is hereby given that Daniel O. Jones, of Nogal, New Mexico, who, on November 8, 1922, made Add'l. Hd. Entry, No. 050377, for SE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{4}$ SE $\frac{1}{4}$ Section 10, Township 10-South, Range 13-East, N.M.P. Meridian, has filed notice of intention to make three year Proof, to establish claim to the land above described, before L. L. Beard, U. S. Commissioner, at Capitan, New Mexico, on the 28th day of March, 1925.

Claimant names as witnesses: R. C. Skinner, of Nogal, N. M., and R. A. Hummick, C. L. Robinson and B. Hummick, all of Capitan, New Mexico.

JAFFA MILLER, Register.

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Claimant names as witnesses: W. J. Lowrance, of Raton, N. M., and Anna Julian Wells, R. V. Gault, and W. H. Guthrie, of Capitan, N. M.

JAFFA MILLER, Register.

PATENTS

If you have an invention which

you desire to protect we shall be

pleased to have you consult us.

Our booklet giving information

on patent procedure will be sent

upon request.

Scientific American is the monthly

news-reporter on all the big indus-

trial and scientific developments,

Inventions and scientific discoveries.

Plainly written, easily understood,

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STAR-TELEGRAM

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NOTICE FOR PUBLICATION

Department of the Interior

U. S. Land Office

Roswell, N. M.

March 2nd, 1925.

NOTICE is hereby given that Migno Sanchez, of San Patricio, N. M., who, on March 30, 1920, made Hd. Entry,

