

GLENDALE NEWS

THE CITY OF HOMES

Daily Except Sunday

DEVOTED TO THE INTERESTS OF GLENDALE

GLENDALE—
The CITY of HOMES

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VOL. X.

GLENDALE, (LOS ANGELES POSTOFFICE) LOS ANGELES COUNTY, CAL., FRIDAY, SEPTEMBER 4, 1914.

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PYTHIAN SISTERS

NORTH GLENDALE LADIES ARE INITIATED—OTHER NOTES OF FOOTHILL SECTION

NORTH GLENDALE

Two North Glendale ladies were initiated into the mysteries of the Pythian Sisters at a regular meeting of La Jolla chapter at K. of P. hall Thursday evening. Mrs. Farnum and Mrs. O. E. Wright of North Glendale and Mrs. S. Berman of Glendale were the candidates to whom the full initiatory ceremony was given. There was a very good attendance and the beautiful ceremony of initiation was given in full, all the members of the staff having their parts to perfection. Initiation was followed by a happy social time and the ladies were served to a bounteous banquet prepared by their brother Knights. This was the first effort of the K. of P. along the culinary line and their guests were loud in praise of the splendid spread prepared for them. The meeting was a most happy one for all concerned.

It is with much regret we announce the serious illness of Mrs. Augustus Dimick of 1001 North Central avenue, who is suffering from nervous exhaustion. Dr. Boyer is in attendance. Her many friends hope for her speedy recovery.

Mrs. William Alston of 1652 Ruth street returned home recently from Hollywood, where she was the guest of her uncle, Mr. Barkley Lyon and family, of Sunset boulevard, for several days.

Miss Ruby F. Wright of 1649 Ruth street will leave tomorrow via the Santa Fe route for Hemet, where she will remain at least two months enjoying a much needed rest.

Mrs. Pittman and daughters, Miss Idelle Pittman and Miss Olive Pittman, of 1001 North Pacific avenue, enjoyed a delightful trip to Roscoe and back Thursday.

Mr. Charles Ereshman of 1529 Lorraine street has won quite a distinction in this community as an expert worker in raffia. He has several fine specimens of the handicraft made up in baskets, electric lamp stands and other beautiful useful articles.

Mrs. G. W. Gregory and little daughter of Los Angeles, well known former residents of Stocker street, North Glendale, were guests of Mrs. T. W. Sampson at a prettily appointed luncheon Thursday.

The many friends of Mrs. J. W. Hawes will regret to learn that she is quite ill at her home, 1605 Ruth street.

LAWN PARTY

Among the recent happenings in the local social world was the merry lawn party given one evening this week by the Misses Eva Thede and Pearl Hunsberger at the home of the latter in the Ingledue apartments on Jackson street.

Many Japanese lanterns overshadowed with swaying pepper boughs, illuminated the grounds wherein games and a general good time transpired. Following later a buffet supper was served indoors by the gracious hostesses, who were assisted during the evening by the Misses Doris Ingledue and Ruth Tarr.

Invited guests for the evening were members of the intermediate department of the First M. E. church, thirty of whom responded.

TRANSPORTATION TO MOONLIGHT MUSICAL

All those who are planning to attend the moonlight musicale to be given this evening at the residence of Mr. Chas. H. Toll, will find ample means of reaching the grounds.

There will be auto vehicles, planked so as to be recognizable, running along the following route:

First and Kenwood to Sixth, along Sixth to Central avenue, along Central avenue to 1635 Kenneth road. The vehicles will make two trips, one starting at 7:45 and one at 8:10. There will also be two trips returning along the same route after the performance. A fare of five cents will be charged each way.

Automobiles will also meet the cars arriving at the end of the line at 7:55 and 8:25. On these there will be no fare collected.

MISS POLLARD HOME

Miss Sara Pollard has returned from a month's outing and rest at Long Beach and is again in her office, 1106 West Broadway, where she will be pleased to meet her patrons once more.

MERCHANTS' MEETING

ROUTINE BUSINESS TRANSACTED—BANQUET ON PROGRAM FOR NEXT SESSION

The members of the Glendale Merchants' Association held a profitable and interesting business meeting in the city hall on Thursday evening, Sept. 3.

The meeting was called to order by the chairman, A. T. Cowan. After reading the minutes of the preceding meeting, W. H. Crane, secretary of the association, gave a statement of his work since the last regular meeting. L. W. Bosserman, treasurer of the association, gave a financial statement, which brought out the fact that there is about \$73 in the treasury, but the August bills are yet unpaid.

J. H. Smith of the Tropico Mercantile company was present and spoke very earnestly on the importance of community co-operation upon questions that are of mutual interest to Glendale, Tropico and Casa Verdugo. In fact, Mr. Smith thinks it is in place to class Eagle Rock and Burbank as belonging to the community settlement comprised in the territory in the eastern part of the San Fernando valley.

Other members emphasized the importance of building up community pride.

After the transaction of considerable important business, on motion it was decided that a banquet be held at the next regular meeting, and that said meeting be held at La Ramada, Casa Verdugo.

The following committee was appointed to make necessary arrangements for the banquet: H. C. Seaman, Jr., J. H. Smith, F. H. Davis, J. W. Ingledue, O. C. Logan and L. W. Bosserman.

TROPICO

Pretty pink rosebuds nodding from tall vases and drooping from low bowls brightened the rooms of Palm Villa Thursday afternoon when Miss Marjorie Imler entertained quite informally complimentary to Miss Hope Armstrong, who has but recently arrived from Colton. Miss Imler entertained a few members of the sophomore class, of which she is also a member, to meet Miss Armstrong, who enters the second year of the Glendale Union high school Tuesday morning. Miss Armstrong is a dramatic reader and delighted Miss Imler and guests with several selections. Miss Esther Schremp, Miss Ernestine Lyons and Miss Evangeline Hunchberger each rendered piano solos. Other guests included Miss Ellen Cate, Miss Catherine Phillips and Miss Mary Wilkins.

Mrs. Mayme G. Pollock, president of N. P. Banks W. R. C.; Mrs. Della Hagood, department chaplain of California, and Nevada; Mrs. Margaret Jenkins, president of the Kensington Club; Mrs. Myra C. K. Shuey, and Mrs. Elizabeth Kaseall attended the exemplification of the beautiful ritualistic work of Bartlett Logan corps of Los Angeles in the hall of records Thursday afternoon.

Mrs. Fanny Sawyer Quinn of El Monte, author of considerable note, is the week-end guest of Mrs. David H. Imler at Palm Villa.

The Dry Federation will hold a meeting at G. A. R. hall Friday evening, Sept. 11th. Hon. T. D. Kanouse, a former resident of this valley, will deliver an address. Mrs. Hudson will give readings and music will be furnished by a quartet from Pasadena.

CLINE-KELLEY WEDDING

Married at the Presbyterian Manse by the Rev. Walter E. Edmonds on Thursday evening, September 3rd, 1914, at 8 o'clock, Miss Elisha A. Kelley and Mr. John H. Cline.

The ceremony was strictly private, only the families of the bride and minister being present. The bride wore a white bridal dress and carried a large bouquet of maidenhair fern, lilies of the valley and bride roses. Motherless since three years of age, she has had an ideal home with Mrs. Elizabeth Shaw of 443 Glendale avenue, and her education was not neglected, as she has filled creditably several business positions during the last few years.

The groom has been in business at Eagle Rock and now becomes a resident of Glendale. His numerous trips between the two cities may bankrupt the railroad in abatement.

The newly married couple went to the seaside (with no intention of jumping in) and on return will take up their abode near Mrs. Shaw in a cottage made ready, amid the good wishes of a host of friends.

MRS. RYAN HOME

MRS. MARY OGDEN RYAN HAS RETURNED FROM EXTENSIVE TOUR

After nearly three months' travel in the Northwest, East and in parts of Canada, Mrs. Mary Ogden Ryan, who left last June, has returned to her home in Glendale better satisfied than ever that her home is quite superior to any of the smaller places visited. Now that sounds a wee bit as though Mrs. Ryan's trip was not an entirely enjoyable one. Not so! For every minute was filled with the pleasure and delight of a visitor.

Leaving here on the Western Pacific, Mrs. Ryan visited in Minneapolis, Detroit, the Great Lakes, Chicago and Winnipeg, Canada, returning by way of Portland and San Francisco, in which places she stopped for a brief visit. Many interesting and novel occurrences were enjoyed. In Canada our returned traveler saw patriotism revealed in every corner. Uniforms, British flags and benefits for Red Cross funds were worn and participated in by rich and poor alike. The fears of war were exemplified in many ways, chief of which were the guarded tunnels and trains until the bridge was crossed.

Minnesota is described as being most beautiful and the trip across on the Canadian Pacific wonderful beyond words.

In Portland Mrs. Ryan stated there has been a drought of sixty-seven days and the smoke from the nearby forest fires is so dense one can see no distance at all. While there Mrs. Ryan was a guest of Mr. and Mrs. H. L. Buckley, former residents of Glendale.

At San Francisco Mrs. Ryan met Miss Ida Waite as she was landing from Honolulu and Japan. Reminiscences of the two entirely different trips were exchanged, and a trip to the fair grounds enjoyed.

PINK ROSEBUD LUNCHEON

Miss Lucille Parker, who resides with her parents in the California apartments on Brand boulevard, was hostess at a prettily appointed rosebud luncheon Thursday, when the following were entertained: Mrs. W. L. Wheeler, Mrs. Gus H. Pulliam, Mrs. John Allan Legge, Miss Myrtle Pulliam and Miss Zetie Duncan.

Everything was in pink, even to the candies and dessert course, and in the center of the table at which the delicious repast was served, pale pink buds and maidenhair fern peeked out from the depths of a low cut bowl and nodded to the guests, who were seated by means of artistically painted novelty cards. Music, with songs by Mrs. Legge, Miss Duncan and the clever hostess, were enjoyments of the pleasant afternoon.

ST. MARK'S GUILD ENJOYS LAST OF SOCIAL AFTERNOONS

The last of the social afternoons which have been enjoyed bi-monthly during the summer by members of the St. Mark's Guild took place in the home of Mrs. D. W. Hunt, 120 West Fifth street, and from all reports was one of the most delightful to transpire.

Pink roses and golden glow were effectively combined and placed at intervals about the rooms given over to the affair, and the same combination prevailed in the refreshments of frozen cream, ices and cakes served as the jolly afternoon drew to a close.

After the regular short business session, which is opened with prayer, each one present was called upon to entertain the guests with a "stunt." Entertainment, originality and talent were not lacking and each responded to the call most admirably.

Assisting hostesses for the afternoon were Mrs. Elizabeth Brown and Mrs. W. Montgomery.

"LUCILLE LOVE" TONIGHT

The attendance at the Glendale theater last evening immensely enjoyed the comedies. These were pronounced by many as the most amusing they had ever seen, and were good, clean comedy. The two dramas also touched the right spot.

Tonight's program includes "Lucille Love," which in itself assures a big house. The other drama is "The Stranger at Hickory Gap." For comedy the program is nearly as well supplied as last night, as "How to Keep a Husband" and "The Count's Infatuation" are certainly winners, when it comes to keeping the crowd laughing.

Mr. and Mrs. Warren Roberts of 707 West Seventh street will preside at a dinner party in their home tomorrow evening.

HARVEST DANCE

SLIPPER CLUB MEMBERS MAKE MERRY AT UNIQUE AFFAIR IN MASONIC TEMPLE

Glendale in the earlier days, when ranchers, country homes and gardens were features of the valley, was well represented at the jolly dancing party given by the Slipper Club at the new Masonic temple on Thursday evening.

This merry event was in the nature of a "harvest dance" and in keeping with the clever decorations of pumpkins, corn stalks and other products of farm-land significance, the guests, numbering about sixty in all, were attired in costumes most suitable for the occasion. Many grotesque and comical combinations brought forth the inevitable shrieks of mirth and from the moment one entered until the last strains of "Home Sweet Home" died out, the trials of the modern days were completely forgotten and supplanted by the old-fashioned waltz, two-step, quadrille and Virginia reel.

Music was furnished by Smeby's orchestra and during the "between dance" intermissions, delicious punch and cake were served.

VALLEY VIEW

Mrs. Minetta Sherman and two daughters have moved to Glendale from Redlands and are living at 1526 Vine street.

Dr. Elwood Robinson, wife and two little daughters of Long Beach, are visiting J. S. Van Why and wife. Mrs. Robinson's parents, at 1542 Vine street.

Valley View is still the vineyard tract, every vacant lot being covered with vines, which, despite the fact that they have not been irrigated for years, still produce thousands of pounds of grapes every year, which seem to make as good grape juice as the cultivated ones. Boys and girls with wagons, with tubs and buckets, people from Los Angeles and other "seaports," throng the lots all day long gathering the fruit with perfect freedom.

Mrs. Jennie Wiley of 1546 Vine street, who fell and broke a hip one day last week, is getting along quite well for one of her advanced age, 83 years. She is at the home of her son in Highland Park.

Morris Schich and wife and daughter Lillie of 811 Central avenue were at Catalina last week and this, enjoying a vacation. Charles went over and joined them for two or three days.

Oak drive west of Columbus avenue in Tropico is becoming a real street at last, under the skillful manipulations of Contractor Sinclair.

Mrs. Louise Mitchell of 1517 Oak drive has been seriously ill for two weeks past, but is now on the mend. Her next door neighbor, Mrs. S. K. Medlin, has been a sufferer the past four weeks from boils.

M. W. Musser and wife are greatly improving their house at 309 Oak drive.

Gus Klang and family have returned to their home at 1516 Oak drive, after spending six months in Vernon.

T. C. Hovey and family have moved to Tacoma, Wash., from 1636 Oak street.

Prof. Clark, one of the new intermediate teachers, has moved his family into the house at 1512 Hawthorne.

Mrs. T. H. Johnson of 1507 West Fifth street is spending a few days with her daughters on a ranch near San Fernando.

H. L. Adams and wife and son Winslow and Mrs. L. W. Adams of 463 and 469 Pacific avenue, are spending this week at the beach.

ELKS' PATROL DANCE

As usual, the dancing party given Thursday evening by members of the Elks' Patrol was well attended, to say naught of enjoyed. The hospitable Elks' home, 1107½ West Broadway, was prettily yet not extravagantly decorated in the purple and white colors, and with good music, cooling refreshments and gracious hosts, a most happy three hours was the result.

NO PAPER MONDAY

Monday, September 7, being a legal holiday, the Glendale Evening News will not be published on that date. Paste this little bit of information in a convenient place, so you may be saved the trouble Monday evening of asking us where is the Evening News?

THE WRECKERS

THE SAFETY LIGHTS ARE BEGINNING TO SHINE ALONG THE SHORE

It was a bold, rugged, pitiless coast, often storm swept, and the shore lined with wreckage piled high of the craft caught in the fierce swirl of wind and wave as the frail vessel went to her death on the rugged rocks and later on was pounded to splinters and piled up on the shore.

And the shore was inhabited by a cruel, heartless class of wreckers who lived, thrived and fattened on the calamities of their fellows, who, driven to despair and distraction by the cruelty of wind and wave, were finally swept on shore to meet a fate more cruel than that of the elements at the hands of the wreckers, whose desire for robbery and plunder put them in love with the storms that sent them victims, while destitute of a spark of human feeling for the victims themselves.

Of the victims cast by the waves prone on the shore the poet, W. H. Burleigh, says:

"Boys in their sunny brown beauty, Men in their rugged bronze, Women whose wall would have taught wolves duty, Died on the pitiless stones."

While the wreckers were busy confiscating the property of the dead and dying.

After picturing still darker the fate of the shipwrecked and the more damnable character of the wreckers, this same author suddenly shifts to other storms and wreckers, thus: "Oh, there are crueler breakers, Billows that burn as they roll, Flanked by a legion of crueler wreckers, Wreckers of body and soul."

And then he blisters with anathemas the gigantic wickedness of licensing "wreckers" to line the avenues of business and common walks of life, and by "false lights" wreck the young manhood of the realm. For this joint conspiracy to wreck manhood and destroy citizenship he ironically bids them go on in mock justification:

"Gold has come in to the wreckers, Murder has taken her prize, Which, tho' a million more dash on the breakers, Stifies the crime and the cries."

But, say, Burleigh's poem was written 60 years ago. Things look better now. The wreckers are driven from the storm-swept shore. No false light lures to destruction. The bay is being deepened for a harbor and the government will erect a lighthouse there. The safety lights of local option light up now the territory wherein more than half our people live, and California "dry" will greatly add to that consummation so devoutly to be wished. S. P.

YOUNG LADIES TO ASSIST AT THE MOONLIGHT MUSICAL THIS EVENING

Of added attraction to the moonlight musical, which is to be given in the gardens of the beautiful Chas. H. Toll residence, 1635 Kenneth road, at 8:30 o'clock this evening, is the fact that the following young ladies—all of whom are well known in the younger circles of Glendale—will assist Mrs. N. C. Kelley, chairman in charge, and Mrs. Mary C. Edwards, acting superintendent of the refreshments, in serving the ices and cakes at this noteworthy event: The Misses Evangeline Hunchberger, Esther Schremp, Winifred Montgomery, Katherine Green, Thelma McMasters, Dorothy Hunt and Elsie Church. The delicacies will of course be enjoyed at the close of the program of songs and readings given by Mrs. Norma Rockhold Robbins, contralto; Mrs. William Herman West, soprano; Mrs. W. W. Stone, contralto; Mr. William Herman West, baritone; Mrs. Zella Zee Dodge and Miss Bertha Jackson, readers.

Accompanists for the evening will be Mrs. Jessie Mitchell of Glendale and Mrs. J. A. Robertson of Los Angeles.

THOSE LONG HOUR MEN

When close upon the sunset hour The welcome whistle blows, The mouth and throat were seared And homeward gaily goes. He finds the table neatly spread, And supper smoking hot, And softly hums a little tune, Contented with his lot.

He trots the baby on his knee, And when the paper's read, Knocks out the ashes from his pipe, And early goes to bed.

His health is good, his heart is light, His slumber sweet and sound; How different is it with the men Who make the wheels go 'round!

OUTDOOR CLUB ENJOYS HIKE

About twenty members of the Outdoor Club of the Presbyterian church took advantage of the wonderful night Thursday and with the moon in faithful guidance, found their way to the cozy little camp in La Crescenta, where Mrs. S. L. Ward and daughter, Miss Gertrude Ward, have been enjoying a splendid outing.

Games and the usual stunts, together with a late campfire supper, were features of the evening, and those who were counted among the revelers returned to Glendale rejoicing and quite ready to go forth on a similar occasion very soon.

SOCIAL EVENING

PHILATHEA AND BARACA MEMBERS ENJOY MERRY EVENING

With the Rev. and Mrs. E. E. Frances as host and hostess, the Philathea and Baraca classes of the Central Christian church enjoyed a delightful party in the hospitable Frances home, 225 East Tenth street, Thursday evening of this week.

Red carnations, their brilliance heightened by masses of rich green fern, were used for decorative purposes throughout the house and also blossomed forth in showers on the veranda, which was illuminated and fitted up with rugs, chairs and tables for the occasion.

Games, music and delicious refreshments provided the evening's diversion and those present to enjoy the same were the Misses Bertha Jackson, Carrie Cornwell, Lillian Shropshire, Birdie Shropshire, Atala Browning, Mazie McCann, Nona Lyons, Fern Cook, Leota Snyder, Elizabeth Jackson, Kathleen Guidinger, Edith Hagen, Helen Mosher, Jessie Crouch, Marie Albers and Messrs. Ralph Alexander, Frank Mosher, Ezra Mosher, Presley Moore, Harry Marple, Ralph Shepherd, Roger Baker, Charles Shropshire and David Johnson.

DOWN THE MIDDLE OF THE WORLD

'Twixt the seas and the deserts, 'Twixt the wastes and the waves, Between the sands of buried lands And ocean's coral caves, It lies not east nor west, But like a scroll unfurled, Where the hand of God hath flung it, Down the middle of the world.

Days rise that gleam in glory, Days die with sunset's breeze, While from Cathay that was of old, Sail countless argosies; Morns break again in splendor O'er the giant new-born west, But of all the lands God fashioned 'Tis this land is the best.

It lies where God hath spread it, In the gladness of His eyes, Like a flame of jeweled tapestry Beneath his shining skies; With the green of woven meadows And the hills in golden chains, The light of leaping rivers, And the flash of popped plains.

Sun and dews that kiss it, Balm winds that blow, The stars in clustered diadems Upon its peaks of snow; The mighty mountains o'er it, Below the white seas swirled— Just California stretching down The middle of the world.

ANNOUNCEMENT!

Next Thursday evening, September 10th, at the Masonic temple, Miss Bertha Jackson, recently from Kentucky and a graduate of the Cincinnati School of Expression, will present "Rebecca of Sunnybrook Farm." Miss Jackson will be assisted by the quartet of the Tuesday Afternoon club and other musical talent of Glendale.

A very interesting evening is expected and programs will be printed later.

THOSE LONG HOUR MEN

When close upon the sunset hour The welcome whistle blows, The mouth and throat were seared And homeward gaily goes. He finds the table neatly spread, And supper smoking hot, And softly hums a little tune, Contented with his lot.

He trots the baby on his knee, And when the paper's read, Knocks out the ashes from his pipe, And early goes to bed.

His health is good, his heart is light, His slumber sweet and sound; How different is it with the men Who make the wheels go 'round!

The banker sits before his desk Till far into the night; A thousand things demand his care And thread his locks with white. The manufacturer is late When notes are falling due, And threatened strikes and damage suits The merchant's path pursue.

Eight hours and then the toiler drops His yoke beside his tools; Eight hours and all the spindles rest, The flaming furnace cools; But still the business man, although His eyes for sleep are dim, Must grind away—there is as yet No eight-hour law for him! —Minna Irving in Leslie's.

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GLENDALE, CAL., SEPTEMBER 4.
BRINGS BACK A CLEAR HEAD AFTER A COLD—No. 170

AGRICULTURAL GEOLOGY

By Gilbert Ellis Bailey

The soil is the one indestructible, immutable asset that our nation possesses. It is the one resource that cannot be exhausted, that cannot be used up, but if properly cared for, not only clothes and feeds us but improves with age and proper treatment for the continued use of posterity.

It forms the basis of our industrial wealth and a large portion of our foreign exports, yet we are taking up the last of our public lands while the country is so sparsely settled that less than one-fourth of the land nominally in farms is actually under cultivation. From these lands we obtain from only one-third to one-half the yield per acre obtained on the older soils of Europe.

It is dependent upon us to study the soil, to understand its origin, composition, properties, functions, and relations to crops, to understand the changes brought about by our cultivation and cropping, to win from the soil not only for our present needs, but to increase the yields for the larger population that follows. The problems are many and some

are complex. The weight of an acre of soil one foot deep is about 2000 tons. The art of soil management is to so manipulate and handle this 4,000,000 pounds of raw material at a cost of ten or twelve dollars an acre as to produce the greatest quantity of profits, and still leave the soil unimpaired for future generations.

The more a man knows of the nature of the soil the better prepared he is to handle it properly.

Agricultural Geology

Since all soil materials form a part of the structure of the earth, their origin, character, and classification constitute a part of the field of geology. Agricultural geology is a history of the outer mantle of the earth, its materials, origin, character, uses and value.

The soils of California come from a great variety of geologic formations. Almost the entire geologic column from the Cambrian to the latest Quaternary is represented. The rocks of each of these formations has weathered into soil somewhere in the state, giving the student exceptional opportunities for study. Over 200 soil types have so far been recognized by the United States department of agriculture and mapped in California. The crops produced range from the wheat, corn and barley of the colder climates to the rice and cotton of the south; from apples, peaches and pears to oranges and lemons; from hops to wine and raisin grapes; from pine forests to date palms; from blackberries to alligator pears. The soils themselves range from those at the feet of living glaciers to those in the midst of deserts; from meadows 12,000 feet above sea level to burning sands below sea level. No other state in the union presents such a variety of soils or of products, or offers such an opportunity for investigation.

The Earth

The earth is one of the organisms of the universe in which all parts work together harmoniously according to plan, intention and design, as much as those of an animal or plant. It was born, will reach maturity, pass through old age, and finally die (that is, change form), only to renew its existence in another form. The earth is not therefore in any of its parts to be considered as a dead, inanimate thing, but like a tree it is most active on the outside. The mantle of the earth, or soil, is not a changeless, lifeless, inanimate thing, but is ever moving and changing, and teems with life and activity.

The relation of the earth to the sun determines the amount of heat the soil receives, and gives us the seasons. The forms of the earth's surface determine the angle at which the parallel rays of the sun strike the different portions of the mountains, hillsides and plains, and the amount of heat per square mile, giving temperatures that range from frigid to torrid. The inclination of the earth axis combined with its daily and yearly motions determines the seasons at the various latitudes. The annual revolution around the sun gives a succession of seasons, warm, cold, wet or dry, establishing the principle of rotation, or alternating periods of rest and activity for the soils. The daily rotation of the earth on its axis gives alternations of light and darkness, heat and cold; giving soils, plants and animals short

and frequent periods of activity and rest. The structure of the earth, like the structure of a plant or animal, includes solids, liquids and gases.

The Sun

The sun, as large as 300,000 earths, furnishes by wireless light, heat, chemical and electrical rays which keep things moving and active upon the surface of the earth. It is clearly these forces from the sun that cause all the movements of animal and vegetable life and all the growths of roots and stems, the germination of seed, the opening of the bud, and the ripening of the fruit.

The Atmosphere

The atmosphere is an intimate mixture of all substances that cannot take a liquid or solid state at the temperatures and pressures that prevail at the earth's surface. It contains 79 parts of nitrogen, 21 parts of oxygen, .03 parts of carbonic dioxide, and small quantities of argon and other rare elements. The water vapor contents vary from time to time and from place to place, as do the gases that come from volcanoes, cities and manufactories, and a great variety of volatile organic substances. Dust and other forms of solid matter are often suspended in the atmosphere as impurities. It is mobile and active and has great direct and indirect effect upon water, rocks and soils. It is a thermal blanket (Continued on Page 4)

BABY PICTURE TIME!

S. C. MARANVILLE—The Photographer in your town.

FOR RENT—Bedroom, 2nd floor, windows south and west, Third street between Verdugo road and Adams street. Breakfast if desired. Sunset Phone 62-W.

We have a number of renters for houses. List with us. H. L. Miller & Co., 476 Broadway. Phone Glendale 853. 307tf

FOR RENT—7-room house, 1455 Salem St. Rent \$20. Phone 475J, Glendale. Peter L. Ferry. 298tf

FOR RENT—5-passenger auto by the hour or by the day; best service, low charge of \$1.00 per hour. Call Glendale 1043J. 272tf

WANTED

WANTED—A woman for general housework in North Glendale; must be good cook; cottage in yard; no objection to small child; school nearby. Home telephone 2021. 177b

Boy with wheel wants work of any kind. Home phone 221. 163c

WANTED—We pay highest market prices for chickens, turkeys and rabbits. York Ranch, 1630 Dryden street, Casa Verdugo. Home phone 905. 16225

WANTED—Paper hanging and tinting. First class work at reasonable prices. C. A. Fromm, 249 E. 3rd St. Sunset 305J. 179tf.

MISCELLANEOUS

For good service, Macdonald Transfer. 164

Have opened an employment agency at 912 Broadway. Anyone wishing to employ help of any kind, mechanics, day laborers, domestic, etc., please phone me. Mills Employment Agency. 242W. 1616

PIANO INSTRUCTOR—Will take limited number of pupils, any grade. Beginners started right. Use Matthews' graded system and Dr. Mason's Touch and Technique. Ten years' experience in teaching. Terms reasonable. Phone Sunset 1019, Home 1132. Mrs. Laura Jones, 466 West Fifth St., Glendale. 276tf

Call at Singer Store, 1020 West Broadway, Glendale, California. We keep Needles and Repairs for ALL MAKES OF SEWING MACHINES. Also SINGER OIL. Machines sold on easy Weekly or Monthly payments or a Liberal Discount for Cash. Also Machines Rented by the Week or Month. All orders by telephone will receive prompt attention. E. J. UPHAM, phone Sunset 656W. 1575

TOMATOES—Sugar costs money, but you don't need it to can tomatoes. Get your order in for the best. We deliver. J. C. Sherer, Ninth and Verdugo road. Sunset 529J. 187b

The old reliable, Macdonald Transfer. 164

Teacher on piano or organ at 225 S. Howard, Glendale. 1775

Glendale Auto Supply for good gas and oil. 164

Printing, developing and enlarging. Kodak and camera supplies of all kinds at Roberts & Echols' Drug Store. 1613

WANTED TO BORROW—
 \$3400—8%, value\$ 7,000
 4000—8%, value 12,000
 1500—8%, value 3,500
 1600—7½%, value 3,400
 1700—8%, value 3,500
 JAMES W. PEARSON
 Glendale 740J 1214 W. Broadway 181f

BUY YOUR FURNITURE, RUGS, ETC., at the Glendale House Furnishing Co., 417 Brand Blvd. 5-14f.

FOR RENT

FOR RENT—Two-room tent house furnished. Fully equipped; gas, electricity, water; \$7 water paid; evenings after 5. Phone 338W. 250 Verdugo road. 181tf

FOR RENT—3-room bungalow; well built and artistic; gas, electricity, etc.; on prettiest street in Glendale; \$15 month, furnished. See A. J. Harrison, 1422 Riverdale drive. 174

FOR RENT—Fine furnished apartments and rooms, low summer rentals by day, week or month, suitable for 1, 2, 3 or 4 adults. 415½ Brand Blvd., Glendale. Sunset phone 725. California apartments. 147b

FOR RENT—House with bath and 3 lots. West Seventh St. Key at 1618 W. Sixth St. 1616

FOR RENT—8-room house, modern; fine location, close in; fruit, wash-house and chicken yard. Unfurnished, \$25 a month. Inquire 808 W. Broadway. Phone 234W or Home 2573. 274tf

FOR RENT—Modern 6-room bungalow, all up-to-date features. W. L. Truitt, 411 W. 9th St. Both phones. 147f

FOR RENT—Furnished front room; half block from car line; all conveniences, with private pergola; with or without board. 1304 W. 6th St. Home 671. 154

PROFESSIONAL CARDS

Sunset 992M By Appointment Only
DR. H. V. EVERLY
 Eyesight Specialist
 Eyes Examined Glasses Fitted
 Consultation Free
 Office and Residence 1414 West Broadway, Glendale, Cal.

Office Phones—Sunset 909, Home 2184
 Residence Sunset 909—Home 832
Dr. H. Russell Boyer
 Physician and Surgeon
 First National Bank Building
 OFFICE HOURS:
 11 to 12 a. m. 2 to 4 and 7 to 8 p. m.

Telephones—Residence Sunset 1005J
 Office Sunset 982J
 Office Hours—10 to 12 a. m., 2 to 5 p. m.
 Others by Appointment.
Dr. E. F. Archer
 OSTEOPATH
 California Apts., 415 1-2 S. Brand Blvd.
 Glendale, California

Dr. T. C. Young
 Osteopath, Physician and Surgeon
 Office, Fliger Bldg., 570 W. Broadway
 Calls answered promptly night or day
 Office Hours—8 to 10 a. m., 1 to 5 p. m.
 Office Phone—Sunset 348. Residence
 Phones—Sunset 348, Home 511

Residence 467 W. Fifth St., Glendale.
 Home Glendale 1132, Sunset 1019

H. C. Smith, M. D.
 PHYSICIAN & SURGEON
 Office 594 West Broadway, Glendale.
 Phone Sunset Glendale 1019. Hours
 2 to 5 p. m.

Phones: Office, Sunset 1091; Residence,
 Sunset 618W. Hours: 10 to 12 a. m. and
 2 to 4 p. m. Sundays and evenings by
 appointment.

A. W. Teel, M. D.
 Physician and Surgeon
 Special Attention to Eye, Ear, Nose and
 Throat. Office, Suite 2, Rudy Bldg., 343
 Cor. Brand and Broadway. Residence:
 308 North Maryland Ave

Dr. Frank N. Arnold
 DENTIST
 Bank of Glendale Building
 Corner Broadway and Glendale Avenue
 Hours—9-12; 1:30-5.
 PHONE 4587

Tel. Sunset 606 Tel. Home 733

DRS. RUDY & STONE
 DENTISTS
 Suite 3—Rudy Bldg.
 (Corner Brand and Broadway)

Phone Sunset 523W

DR. C. R. LUSBY
 Dentist
 Hours—9 to 12, 1 to 5. Evening Ap-
 pointments if Desired
 1110 ½ W. Bdwy., T. A. Wright Bldg.

Res. Tel. Sunset 70J, Home 822
 Office Tel. F2898
M. N. NELSON

Physiopractic and Diet Specialist
 910 Broadway Central Building, Los
 Angeles. Hours, 1 to 5 p. m. Fore-
 noon at Thornycroft Sanitarium, 104
 East Ninth street, Glendale.

TROPICO NURSERY

Y. GOTO, Proprietor
 Japanese, European and Home Plants
 214 Park Avenue Tropic, Cal.
 Sunset Phone 353W

W. T. SPROWLS

Attorney-at-Law
 Glendale Office—1106 W. Broadway
 Office Hours—7 a. m. to 8:30 a. m.
 5 p. m. to 7 p. m. Home 1163, Glen-
 dale 424.

Los Angeles Office—Suite No. 217,
 Byrne Bldg. F2077, Main 6781.

NOTARY PUBLIC

CLARENCE E. KIMLIN,
 of Kimlin & Royce
 Real Estate.
 818 W. Broadway. 1020-J; 20-J.

Exchange or Sale

List your lots, houses and ranches
 for sale or exchange for results. I
 have the buyers and the bargains.

W. N. ROSE, Suburban Exchanges
 With E. B. Van Horn & Co., 707 Union Oil Bldg.
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MRS. VIVIAN R. WEBB

Pianist and Teacher
 209 N. Maryland
 Advanced Pupils Phone
 Children's Classes Glendale 922J
 Modern, Scientific Methods

JULIUS KRANZ

Violinist and Teacher
 Beginners and Advanced Pupils Re-
 ceived. Studio 1325 North Brand
 Boulevard, North Glendale. Phone
 Sunset 515W.

MONEY TO LOAN on first-class
 security in Glendale; reasonable rate.
 H. A. Wilson, 912 West Broadway.
 Phone 242W. 130tf

Miss S. Gertrude Champlain, In-
 structor in artistic piano playing with
 advanced pupils as well as beginners.
 Kindergarten methods not used.
 rapid progress made, class work be-
 ing given once a week, extra. 1541
 Hawthorne. Phone Glendale 988J.

BRINGS BACK A CLEAR HEAD AFTER A COLD—

No. 170

HAVE YOU

tried buying your supplies here? Have you the satisfaction of knowing that you not only save money, but you get genuine quality and real merit in whatever you buy of the Tropic Mercantile Company? It takes good goods, as well as low prices, to make real values. Why not begin giving us a trial now?

FRUIT JARS

The Old Reliable "MASON"

Pints, per dozen - - - - 40c
 Quarts, per dozen - - - - 50c
 Half gallon, per dozen - - - - 75c

ECONOMY, the Wide Mouth Jar

Pints, per dozen - - - - 70c
 Quarts, per dozen - - - - 80c
 Half gallon, per dozen - - - - \$1.00

POTATOES—Fancy Northern Burbanks, medium size and splendid cookers, per box60c

The cheapest chicken feed—
 "HULLED BARLEY"—just
 as good as wheat; per hun-
 dred lbs.\$1.75

Fancy English Walnuts, lb. 20c

Medium English Walnuts, first
 class, lb.15c

Field Run Softshell Walnuts,
 seconds, 3 lbs. for.25c

EXTRA FANCY BELLEFLEUR
APPLES, 7 lbs. for.25c

Northern Greening Apples, 8
 lbs. for.25c

Tomatoes for canning, box. 35c

Columbia Brand Canned Aspar-
 agus, per can.20c

Pennant Brand Peeled Aspar-
 agus, per can.25c

Del Monte Pineapple Preserves,
 16-oz. jar for.15c

Figora, 50c jar for.35c

15c can Sauerkraut for.10c

25c jar Peanut Butter.20c

25c pkg. Postum Cereal.20c

15c can Moir's Kipperd Her-
 ring for10c

Two 10c pkgs. Macaroni.15c

Two 10c pkgs. Spaghetti.15c

15c can Beauty Peas.10c

25c pkg. Juno-Mate Tea.20c

25c can Hershey's Cocoa.20c

Two 10c bottles Ammonia.15c

25c pkg. 20-Mule-Team Borax
 for18c

25c pkg. Hydro Puro.20c

25c pkg. Boraxo for Toilet and
 Bath for20c

25c pkg. Borax Soap Chips.20c

Two 10c pkgs. Gloss Starch.15c

Two 10c pkgs. Cornstarch.15c

Two 10c pkgs. Ivory Starch.15c

Two 10c cakes Sapollo.15c

Two 10c cakes Bon Ami.15c

Open Evenings by Appointment
 Phone Sunset Glendale 951
 Office Hours 9 to 5
**Shampooing, Scalp Treatment,
 Facial Massage, Manicuring, Hair
 Manufacturing, Clipping.**

HAIR SHOP

MISS KATHERINE D. CORNING
 Fulmer Bldg.
 Over Roberts & Echols Drug Store.
 GLENDALE, CAL.

BRINGS BACK A CLEAR HEAD AFTER A COLD—No. 170

VOTE FOR
Attorney FRANK L. MUHLEMAN



Democratic Nominee
FOR ASSEMBLYMAN
 In 61st Assembly District

General Election Tuesday, Nov. 3rd.



"Hello" 195
(Either Phone)

"We had some company drop in on us unexpectedly. Please send us some of those Los Angeles Creamery Co.'s nice Bricks of Ice Cream. They are certainly fine and, just to think, we can get them any time by just phoning 195."

Quarts 50c Pints 25c

ROBERTS & ECHOLS
RELIABLE DRUGGISTS
NEXT FIRST NATIONAL BANK

NOTE—Our Sunday Special Brick Ice Cream will be Pecan, Tutti-frutti and Vanilla.

CLOSED MONDAY, SEPTEMBER 7TH—LABOR DAY

Here's Something New

Robinson Bros. are always in favor of introducing novel and pleasing money-saving inducements for their patrons. The latest is



which is given with every cash purchase. This means A MILE IN TRAVEL FOR A DOLLAR IN TRADE. Come in and let us tell you about SCRIP.

Headquarters for Groceries, Meats, Fruits and Vegetables. Better phone your Saturday order early. Both phones—Home 962, Sunset 778.

ROBINSON BROS.
Grocery and Market
COR. BRAND BLVD. AND PARK AVE., TROPICO.

PERSONALS

Miss Amy Bowerfind of South Brand boulevard has taken a school at Redlands for the winter.

Persons who have promised photographs to be used in the anniversary number of the Glendale Evening News should arrange for them at once.

Miss Katherine Lord, who with her parents have been spending the past year in Antelope valley, will return to Glendale this week to enter school upon the opening day. Dr. and Mrs. Lord, whose home is 112 North Brand boulevard, will also arrive, but at a later date and until they come Miss Katherine will remain in the home of Mr. and Mrs. David L. Gregg, on Central avenue.

Mr. and Mrs. A. L. Weaver of 235 South Kenwood street will spend the week-end and Labor Day at Camp Baldy, where they will enjoy rustication to the utmost.

Mr. Walter Deacon of West Glendale is home for a few days from the mountains, where he has been enjoying a month of outdoor life. Mr. Deacon expects to return to camp in a very few days.

Bob Oliver proved a genial host Thursday evening when he entertained at his home, 1411 West Colorado boulevard, with cards. His guests were Joe Wilson, Ferdinand Rigali and Austin Edwards.

The St. Mark's choir members are planning a card party to be given next Friday evening in the home of the Misses Mattie Belle and Clara Provolt, 601 North Central avenue, Tropic.

Mrs. Sarah Moore, who for the past eleven months has been visiting her daughter-in-law, Mrs. Clara Moore, of 1504 West Fifth street, left this week for her home in Auburn, Nebraska.

BRINGS BACK A CLEAR HEAD AFTER A COLD—
No. 170

Mr. and Mrs. Thomas Wood, Sr., of 1420 West Broadway, motored to Riverside one day this week, making the trip in a few hours and encountering much dust and heat.

The Men's Club of St. Mark's Episcopal church are planning a "wienie roast" at Verdugo park, this merry event to take place Tuesday evening of next week.

Mr. and Mrs. H. A. Wilson of 325 South Louise street entertained as guests at a chicken pie dinner in their home Thursday evening the Rev. and Mrs. Bede Johnson of 307 West Third street.

Mrs. W. L. Wheeler, better known perhaps as Miss Evelyn Ryan, visited friends in Glendale Thursday, returning to her home near Burbank with friends from Los Angeles, who will spend a few days in her home.

The Rev. W. E. Edmonds, pastor of the Presbyterian church, will go to Mt. Wilson Saturday to enjoy what is left of his vacation in quiet rest. On September 18th Rev. Edmonds will return to his home, 421 Cedar street.

Mr. and Mrs. Harry M. Miller and little son Ray of 315 Howard street returned Thursday evening from a week's outing at Long Beach, where Mr. Miller was resting from the effects of a strenuous but successful political campaign.

Mrs. Mary Ogden Ryan returned Wednesday from an extensive eastern and Canadian tour of nearly three months' duration. The entire trip was one of great interest and satisfaction and Mrs. Ryan, who at present is domiciled at Hotel Gray, enjoyed every minute.

Thursday afternoon Mr. and Mrs. C. F. Parker of 227 South Central avenue, accompanied by Mrs. A. W. Dow and daughter, Miss Dorothy Dow, of 237 Orange street, motored to Ocean Park, where they enjoyed the box party and dance given by the Sunshine chapter, Order of Eastern Star.

BRINGS BACK A CLEAR HEAD AFTER A COLD—
No. 170

Mr. and Mrs. Charles Bartlett of 243 South Maryland avenue have gone to San Francisco, where Mr. Bartlett will direct a well-known motion picture company. While in this city Mr. Bartlett played leads in Mr. Montgomery's Kalem Motion Picture company.

Word has been received from Mrs. Elijah J. Zerr, who since June has been visiting relatives in San Francisco, that she expects to return to Glendale Sunday, September 13th, where she will join Mr. Zerr, who is home from a four months' business sojourn in the Imperial valley.

In answer to a telegram announcing the sudden death of their nephew's wife, Mrs. Ralph E. Curzan, Mr. and Mrs. T. S. Provolt of 608 North Central avenue, Tropic, left hurriedly Thursday evening for Oakland, where they will remain indefinitely.

Mr. and Mrs. Edw. M. Lynch and little Gene Lynch of 907 Damasco court, together with Mr. and Mrs. W. C. Wattles and son of Glendale avenue, expect to leave in the morning for Camp Baldy, where they will enjoy an outing and rest of a week or ten days.

In proportion to its area Belgium has more railroads than any other country.

The United States merchant marine is beginning to lay aside its swaddling clothes.

BRINGS BACK A CLEAR HEAD AFTER A COLD—
No. 170

Headquarters for SCHOOL SUPPLIES

Complete line Tablets, Note-books, Covers, Fillers, Crayons, Crayolas, Water Colors, Ink, Pens, Pencils, Holders, Erasers, Straps, Lunch Boxes, Paper Napkins, Waxed Paper, etc.

Remember, too, many other new goods arriving almost daily including perhaps your requirements for a Middy Blouse, Middy Tie, Sweater Coat, Gloves in White or Natural Colors, Silk Lisle or Chamoisette, New Dainty Collars, Standing or Turn-down, and for the better understanding, most serviceable Hose, excellent variety, black or white, at right prices.

Of course we have the Neck Cords, Dainty and Beautiful Bows and Knotted Silk Cord Ties, Silk Satin and Muslin Petticoats, and much other Lin-gerie.

Ribbons, Laces, Embroidery by the hundreds of bolts.

And the newest Dry Goods by the

YARD and YARD and YARD

And Boys--

We never overlook your needs. Take a look in our windows; see the pretty SHIRTS, TIES, BLOUSES, COLLARS, BELTS, HOSE, CAPS, UNDERWEAR; and for the recreation hour we have TOYS and BOOKS to amuse the whole family.

IT WILL PAY YOU TO VISIT THE NEW TRADE CENTER—

Bradford Brand Blvd. Cash Store
AT PARK AVE.

8 a. m. to 7:30 p. m.
CLOSED LABOR DAY

Glendale Theatre

The Place Where Everybody Has a Good Time

Don't Miss "Lucille Love" Tonight

Fourth Series and Better Than Ever

Saturday Matinee Saturday 2:30 p. m.
Everybody 5 cents

Program Changes Monday, Wednesday, Thursday, Friday and Saturday

Performances 7 and 8:30 p. m.

Glendale Theatre
BROADWAY, OPPOSITE SANITARIUM

SCHOOL BOOKS

Play time is almost over and you must back to work. We have everything you need to begin with. School books and supplies of all kinds.

The Glendale Book Store
576 W. BROADWAY OPP. CITY HALL

HENDRICK'S CASH DEPT. STORE—THE BARGAIN CENTER OF GLENDALE

Another Big Shipment and More Bargains For You

Broken lines of Standard Goods, bought at a great discount, and we'll pass them to you the same way

300 yds. Rice Cloth, beauties, regular 15c value, per yard.....	10c	Apron Gingham, a value you won't find elsewhere, per yard.....	8 1-3c
Six 8 and 10 yd. bolts of Long Cloth to be closed out, per yard only.....	9 1-2c	Standard Poppy Percale, per yard.....	10c
50 bolts Outing Flannel, bought in June when the prices were very low. Goes on sale tomorrow at 12 1/2c, 10c and.....	9c	25 pieces new patterns in Dress Ginghams, per yard.....	10c
Wool Flannel, red and white.....	35c to 75c	10c and 12 1/2c Ginghams, in short lengths, per yard.....	7c
Canton Flannel.....	12 1-2c to 15c	Merumack Shirtings, worth 7c in the city, here per yard.....	6c
25c Art Burlap, per yard only.....	16 2-3c	12 1/2c and 15c Batiste sacrificed at per yard.....	9c
A-1 Blue Deming at per yard.....	20c	Bed Ticking, Sheets, Pillow Cases, Pillows, Sleeping Quilts, Blankets, Towels, Bath Robes, Auto Robes—all priced right to MAKE THE DOLLAR WORK QUICK.	
Genuine Khaki Cloth, per yard.....	22 1-2c	Cotton Bats, the kind you want for Quilts and Fancy Work, clean and white.	
French Gingham, baby check, 25c value for.....	20c	Bloomers (Hydegrade), big values at.....	23c & 48c

Biggest Apron Values Ever Shown in This City

Bungalow Aprons, worth up to 90c, we sell them for..... 69c

75c Aprons, large roomy sizes, good patterns and colors, for..... 40 & 43c

And Just to Be A Good Fellow---

Will put on sale three dozen large Gingham Aprons at just about the cost of material at..... 48c

And Lastly---

When you want to buy Furnishings for Men and Boys, come to us, for we're the people. Largest stock in the San Fernando valley.

Shoes - Hats - Clothing - Shirts - Overalls

And mind you, they're not on the way, but you can always find what you want RIGHT IN STOCK.

P. S.--We Almost Forgot---

One solid case of Suit Cases in Non-Scratch Tango Black or Tan, regular \$2 values, for..... \$1.50

\$1.25 Panamas, full regular size, for only..... \$1.00

Every piece of merchandise in this store is now working overtime, and if you have any Rusty Dollars laying 'round, we will quote you prices on dependable merchandise that will put them in quick action.

FREE 60 NEW PATTERNS FREE

To the first ladies that ask for them, we have sixty new Ladies' Home Journal Sample Dress and Embroidery Patterns.

Store open from 7 a. m. to 7 p. m. On Saturday open to 10 p. m.

Hendrick's Cash Department Store
"GLENDALE'S BARGAIN CENTER"

1102 W. Broadway - Between Brand & Maryland - Glendale

Come With Us and See



El Segundo
"The Standard Oil Pay Roll City"

Special Excursion
Sunday, September 6th

Round trip 25c, including substantial lunch. Special car all the way.

Make reservations and arrangements at our office EARLY, as accommodations will be limited.

El Segundo offers the surest opportunity to make big profits on a small investment. The town that HAS grown faster than any other, and WILL grow still faster. Lots \$500 and up, on EASY terms. Come on this trip and see for yourself the certainty of big and sure profits.

Ask for song, "El Segundo by the Sea." Words and Music Free.

C. L. GALEY, Glendale Representative
With WOOD REALTY CO. 1211 W. Broadway
(Rear of Munson's Drug Store) Phone Glendale 1058

SATURDAY WILL BE DOUGHNUT DAY AT THE WHITE STORE

OPPOSITE P. E. STATION ON BROADWAY

A BOX OF HEBBARD'S FAMOUS HOME-MADE DOUGHNUTS WILL BE GIVEN FREE SATURDAY WITH EACH DOLLAR ORDER. A TREAT FOR YOUR SUNDAY MORNING BREAKFAST.

Saturday Specials

- Tomatoes, Corn and Peas, three cans for.....25c
- Codfish, per cake.....15c
- Red Salmon, two for.....25c
- Alpine and Sego Milk, three for.....25c
- Ivory, Fairy, White King, Ben Hur and White Naptha Soap, six for.....25c
- Loaf Sugar, 15 lbs. for.....\$1
- Honey, per comb.....15c
- Economy Coffee, per lb.....25c
- California Cheese, per lb.....19c

Fresh Milk, Cream and Buttermilk, as well as Meat, delivered with Grocery Orders.

No change in our prices of goods purchased before recent raise.

Remember that in addition to Reasonable Prices we give S. & H. Green Trading Stamps

Ask to Have Salesman Call, or Phone Sunset 448, Home 1164.

FORMERLY

The Knickerbocker Store

AGRICULTURAL GEOLOGY

(Continued from Page 2)

distributing and equalizing temperatures, and sustaining and promoting life.

The Hydrosphere

The water which lies upon the surface of the earth would form a universal ocean a little less than two miles deep if the earth was a perfectly smooth sphere. It occupies 72 per cent of the earth's surface and is apparently the greatest of all geologic agents, constantly changing the forms of land surfaces and the temperature. It is destructive and constructive, ever tearing down and building up. The historical records of geology are largely due to the fact that the waters have buried in systematic order relics of the life of successive ages past.

The Lithosphere

The ground upon which we stand is a part of the outer crust of the lithosphere or rock sphere of the earth. It is composed of loose, incoherent material commonly called earth or soil, and consists of clay, sand, gravel, pebbles and boulders, or mixtures of these. The great lithosphere or rock globe is an oblate spheroid with a polar diameter of 7899 miles and an equatorial diameter of 26.8 miles more. Its surface area is 196,040,700 square miles, of which 55,153,500 square miles are land, and only a small portion of this is soil capable of cultivation and supporting human life.

The atmosphere and hydrosphere are mantles rather than true spheres, and both penetrate the lithosphere to some extent. In order to understand the origin of soils, their properties and value, one must know the character of the lithosphere and the action of the atmosphere and hydrosphere upon it.

The Factors

The character of the soil of any region depends upon two great groups of factors: (1) The character of the material from which it has been derived; (2) the processes by means of which this material has been converted into a soil capable of supporting plant growth.

The first has to do with soil forming materials which are part of the lithosphere, and the second with soil forming processes which are largely the action and reaction of the atmosphere and hydrosphere upon the lithosphere.

The two factors are intimately associated and any given soil is always the resultant of a definite combination of these soil-forming factors. Uniformity in the factors gives uniformity in the soils, giving definite soil types; while any variation in the factors gives a change in character amounting to a phase or sub-type of soil. A knowledge of these factors is therefore essential to a proper understanding of the soils of any region.

THE PANAMA CANAL

The Panama canal was opened to traffic August 15 to vessels drawing not to exceed 30 feet of water. This stipulation is made because of the conditions existing at Cucaracha slide which, although greatly improved according to the latest issue of Canal Record, would not admit of the passage with absolute safety of vessels drawing a greater depth of water. This restriction however probably does not affect any vessel now using the Panama route regularly, either in the Atlantic or Pacific.

The grand total of canal excavation to July 1, 1914, was 223,108,369 cubic yards, leaving 9,244,631 cubic yards remaining to be excavated, according to the revised estimate of a year ago. From January 1 to June 30, 1914, there was excavated 7,651,666 cubic yards, and at this rate

of progress the remaining amount to be taken out will be removed in less than nine more months of work.

A recapitulation of canal excavations since the beginning of work by the French until July 1, 1914, is as follows:

Excavation by French companies, 78,140,800 cu. yds., of which 29,903,000 cu. yds. was useful to the present canal.

Excavation by Americans: dry, 130,112,734 cu. yds.; wet, 92,997,204 cu. yds.; total, 223,109,938 cu. yds.

Remaining to be excavated:

Atlantic division—dry, 3,977 cu. yds.; wet, 3,053,945; total for this division, 3,049,968 cu. yds. The total already excavated is 50,117,032 cu. yds., of which 8,858,977 was taken out as dry excavation and 41,258,055 cu. yds. as wet.

Central division—1,984,056 cu. yds. remaining to be excavated, of which 2,244,880 cu. yds. is in Culebra cut and 260,824 from all other points. There has already been excavated from this division 115,712,944 cu. yds., of which 102,767,120 cu. yds. was taken from Culebra cut and 12,945,824 cu. yds. from all other points.

Pacific division—4,210,607 cu. yds. remaining to be excavated, of which 374,744 is dry excavation and 4,585,351 is wet. There has already been removed from this division 57,278,393 cu. yds., of which 11,162,744 was dry and 46,115,649 cu. yds. was wet excavation.

LINCOLN HIGHWAY

If all the present plans are carried out, Lincoln highway will be entitled to a place among the wonders of the world. The ladies have taken upon themselves the task of seeing that it is beautified and they intend to line the roadway from ocean to ocean with trees, shrubs and flowers. It is estimated that this work will cost at least \$25,000,000 and the committee from the General Federation of Women's Clubs has almost \$3,000,000 of that amount pledged before planting is begun.

One of the first things undertaken was to secure the co-operation of the states and cities through which the highway passes. There was no trouble in this, as all had previously enlisted in the cause, and auxiliary committees have been organized along the greater part of the route.

Some of the states are considering the feasibility of planting fruit trees on either side of the roadway in place of purely ornamental trees. The advocates of this plan say the trees are just as sightly as any others, their

THE JUVENILE SHOP

894J 1107 BROADWAY 762 HOME

Our At Cost Sale

HAS MET WITH WONDERFUL SUCCESS AND WE FEEL SURE THE MOTHERS OF GLENDALE WILL CONTINUE TO TAKE ADVANTAGE OF THE LOW PRICES IN OUTFITTING THE LITTLE GIRLS' SCHOOL NECESSITIES.

MUSLIN AND KNIT UNDERWEAR, HOSIERY, DRESSES, APRONS, NIGHTGOWNS, SWEATERS, ETC., ARE ALL MARKED

AT COST

INFANTS' LONG OR SHORT DRESSES, SWEATERS, BOOTEES, SOFT SOLED SHOES, RUBENS' AND TAB VESTS, WOOL HOSE, BONNETS AND SKIRTS, ARE ALSO INCLUDED IN THIS

At Cost Sale

BOYS' SCHOOL SUITS, CAPS, TAPELESS BLOUSES AND SEPARATE TROUSERS FOR SCHOOL.

shade is just as grateful, they will be far more beautiful while the bloom is on, and the perfected fruit will provide delightful nourishment for travelers. It is said that New Jersey has already decided in favor of the fruit tree and is arranging to place them as soon as possible. Others have the matter under consideration with every present prospect of an affirmative decision.

It is dog days in the United States and war-dog days in Europe.

How thankful the American people may be that the United States is not mixed up in any triple alliance!

Optimism is comparable to a jewel. It can be covered all over with the dirt of adversity, but its value and beauty are always present.

He is a wise factional leader in Mexico who knows when to ab-squatulate.

The home dollar, spent at home, is an investment in home city pro-motion.

Whitton's Home-made Tamales

make an appetizing lunch these cool evenings.

Glendale's De Luxe Confectionery, where you can at all times secure prompt service, whether it be

LUNCHES, ICE CREAM OR SODAS

Whitton's Confectionary 411 Brand Blvd. Glendale

CARD OF APPRECIATION

We wish to extend our heartfelt gratitude to the many friends who so kindly extended sympathy and service to us at the time of the death of our beloved husband and father.

Signed: Mrs. A. M. Phillips, Leon Phillips, Mrs. Ina Clewett, Mrs. Lilly Matthiesen, Elmer Phillips, Edna Phillips, Clyde Phillips.

COPY WANTED

All copy for advertisements and reading notices for the anniversary number of the Glendale Evening News should be forwarded to the Evening News office at once.

Mars has been pitching a shut-out game against the Peace team in Mexico.

The American people would just as soon forget that the North Pole has been discovered.

The National Association of Spaghetti Makers held a session in Chicago. America makes 75,000 tons and imports 50,000 tons of spaghetti.

BRINGS BACK A CLEAR HEAD AFTER A COLD—

No. 170

The Glendale Evening News

CLASSIFIED

Business and Telephone Directory

In this column not only your phone number but also your place of business is brought to the attention of over 4500 readers every day. Phone your order or drop a line and our directory department solicitor will call upon you at once. Our phone numbers are Sunset 132, Home 2401.

PHONE:

- ALWAYS IN LINE Central Stables, cor. Broadway and Maryland. Sunset 314, Home 2512
- AUTO AMBULANCE, UNDERTAKING, EMBALMING Pulliam Undertaking Co., 919-21 W. Bdwy. Sunset 201, Home 334
- BOOKS, STATIONERY AND KODAK SUPPLIES Glendale Book Store, 576 Bdwy., opp. City Hall. Sunset 211
- BETTER COFFEE AT 25c, 30c, 35c, 40c AND 45c LB. F. Booth, coffee expert, 429 Gardena Ave. Home 2312, Sunset 943W
- SCHOOL BOOKS AND SCHOOL SUPPLIES' HEADQUARTERS Glendale Paint and Paper Co., 419 Brand Blvd. Sunset 855
- FURNITURE, RUGS, ETC. Parker & Sternberg, 417 Brand Blvd. Sunset 41
- GLENDALE DYE WORKS H. M. Merrill, 116 Elrose. Home 348, Sunset 20
- LUMBER AND BUILDING MATERIAL Bentley Schoeneman Lumber Co., 1022 Bdwy. Home 2061, Sunset 53
- MONEY TO LOAN ON REAL ESTATE Volney H. Craig, Trustee. Address P. O. Box 446, San Fernando.
- PASADENA RUG WORKS AND CARPET CLEANING CO. 781 East Orange Grove Ave., Pasadena. Fair Oaks 1633
- PHILLIPS TRANSFER—Moves everything everywhere. Stand at P. E. Depot. Sunset 138. Home 2422. Res. Home 551.
- PRINTING, STATIONERY, ETC. Glendale News Office, 920 W. Bdwy. Sunset 132, Home 2104
- REAL ESTATE AND LOANS—Town Property and Acreage J. H. Adams, cor. Second and Brand Blvd., Glendale. Sunset 744
- SEWING MACHINES—Repairs On All Kinds—New Singers Sold E. J. UPHAM, 1020 W. Broadway. Sunset 656W

7%

MUNICIPAL

Street Improvement Bonds

Paying seven per cent interest.

Payments received and disbursed by City Treasurer.

These bonds are in various amounts, from \$25.00 to \$300.00, and are a combination of good interest and absolute safety.

If you are looking for a good investment, call and let us explain the merits of these bonds.

Bank of Glendale

Commercial and Savings Broadway and Glendale Avenue

McGEE'S

NICE NEW LINE GINGHAMS Red Seal Zephyr, yard. 12 1/2c See them in the window.

OUTING FLANNEL FOR FALL AND WINTER Full line in now. Yard 10c, 12 1/2c and 16 2-3c

NEW STOCK YARD-WIDE SILK MESSALINE Good range of colors, yard. \$1.25 Roman Stripes and Fancy Silks for Trimming, yard. \$1.50 Black Chiffon Taffeta for Dresses, yard wide, yard. \$1.25

A GOOD ASSORTMENT OF WINDOW DRAPERIES Swiss, Etamines, Scrims, Bungalow and Arabian Nets at per yard from 10c to 50c

MEN'S AND BOYS' UNDERWEAR Our stock of B. V. D., Porosknit, Balbriggan and Fine Ribbed, is in good shape. You may need some of these, as it seems we are to have our summer in September.

WE SELL A LOT OF MEN'S SHIRTS The reason for it is we take an interest in the line. We keep the best makes and nice patterns. Monarch, Arrow and Outwest Shirts \$1.00 and \$1.50

KNOX KNIT HOSIERY For the whole family, per pr. 25c Every pair guaranteed. You do not have to return them to the factory or write any letters. For every pair that fails to give satisfaction, we will cheerfully give you a new pair free.

McCALL'S PATTERNS SELZ ROYAL BLUE SHOES

580 W. Broadway S.S. 57W Opp. City Hall

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