

ECHOES OF THE ANTE ROOM

Odd Fellow and Rebekahs Enter Picnic Proposition with Vim.

UNION TO HAVE NOVEL SOCIAL

Next Saturday Eagles and Their Families Will Gather at Courtland Beach for Their Annual Picnic.

All of the subordinate and Rebekah lodges of Omaha have entered into the united Odd Fellows picnic proposition with a vim. A committee meeting on arrangements was held at Odd Fellows hall last evening at which all of the Omaha lodges and two of the Council Bluffs lodges were represented. It is the intention of the committee in charge to make this one of the biggest picnics of the season.

Novel Social Announced.

Mondamin lodge No. 111, Fraternal Union of America, will hold an open meeting tomorrow evening in its hall, Twenty-fourth and Parker streets.

Eagles to Hold Picnic.

Omaha Eagles will gather at Courtland Beach next Saturday for their annual picnic. An elaborate program of athletic events and games is being arranged and the Eagles expect to have a good time.

Yeomen to Have Picnic.

The annual basket picnic of the Omaha Homestead of the Brotherhood of American Yeomen will be held this afternoon at Riverview park.

Columbian Circle to Meet.

The Columbian Circle will entertain Wednesday afternoon at their hall, Twenty-second and Locust streets.

Relief Corps Picnic.

U. S. Grant post, Woman's Relief corps, will give a picnic at Hancock park on Tuesday evening, August 20, at 6 p. m. to the comrades of U. S. Grant post, Grand Army of the Republic.

WORTH \$130,000 AND STARVES

Fragile End of Woman Recluse Surrounded with Luxuries in New York Flat.

For several months the Clare Arms apartment house at 3,120 Broadway, New York, has been the home of a recluse, Eugenia Leutrel, the 35-year-old daughter of the late State Senator George M. Leutrel, who was a Tammany man of power in his day.

JUDGE USED HARD WORDS

Outburst of Jawbreakers Likely to Boost Recall of the Dictionary.

If you want to read this get out your dictionary. You'll need it. Circuit Judge Kinne has handed down a decision refusing a new trial in the case of Leo Felst of New York City against Frank M. Root of Ann Arbor, Mich.

CONCRETE RESISTS WATER

Mixed with Oil in the Making, it Shows Remarkable Resistance to Moisture.

PRAIRIE PARKS REORGANIZE

Association is Outgrowth of Well Fostered Community Spirit.

NEW CLUB HOUSE BEING BUILT

It to Be Devoted to the Furtherance of the Community Interest and is Organized Along the Social Center Idea.

The Prairie Park association, the membership of which will be restricted to the residents of Prairie Park and the directly adjacent territory, was organized Friday evening at the home of B. G. King, 2624 Fowler avenue.

The object of the association is to promote social intercourse among its members and their families, to encourage the city beautiful idea and to develop to the highest degree the community spirit in residential sections.

There has been erected for its use at 2605 Ames avenue a splendid three-story brick building which the association proposes to formally open at an early date, at which time the public will be invited to inspect the building and learn of the purposes of the association.

This building is fireproof and equipped with every modern appliance. On the first floor is garage space, at present adequate for ten automobiles. An up-to-date auditorium occupies the second floor, in which will be held the association's entertainments, banquets and balls, and which will be rented out on open dates for entertainments of such character as will pass the censorship of the association's club, reading and billiard rooms.

The total cost of the project, exclusive of furnishings, will approximate \$14,000 and it is the first building in Omaha, perhaps the west, to be devoted to the furtherance of community interest, and furnishes a noticeable example of what can be done when the social center idea takes a definite and practical turn.

The officers chosen to serve for the ensuing year are as follows: C. T. Walker, president; Louis Nelson, vice president; L. H. Oldfield, secretary; N. P. Saxe, treasurer.

A cement which will resist water and therefore will not crack appears to have been discovered by Logan Waller Page, director of the office of public roads and his associates in Washington. This discovery is of the fact that mixing a proportion of about 10 per cent of petroleum residuum oil with ordinary Portland cement, sand and stone or gravel—the familiar concrete—renders the concrete waterproof without in the least impairing its tensile strength.

The importance of the discovery can hardly be overstated, for the use of concrete as a substitute for wood and other material has become universal in this country but the tendency of concrete mixed only with water to crack has been a serious fault.

While experimenting in an attempt to develop a non-absorbent, resilient and dustless road material, one capable of withstanding the severe abrading and ravelling action of automobile traffic, the investigations of Director Page led him into this very promising discovery. He found that when a heavy mineral residual oil was mixed with Portland cement paste, it entirely disappeared in the mixture and, furthermore, did not separate from the other ingredients after the cement had become hard. The possibility of oil-cement mixtures for waterproofing purposes were recognized and extensive laboratory tests were begun immediately to determine the physical properties of concrete and mortar containing various quantities of oil admixture.

NATURE'S TYPICAL COLORS

"Blood-Red" and "Leaf-Green" in the Scheme of Animal Life.

NUTRITIVE ELEMENTS OF FOOD

Contrasts in Color Emphasized in Their Function in the Living Organism—Sources of Energy.

By SIR RAY LANKESTER.

A very obvious complement to "blood-red" is "leaf-green." The latter is typical of plant life as the former is of animal life, and more truly so than appears at first sight. We have seen that "blood-red" is the great carrier of oxygen, the means whereby an abundant and steady supply of oxygen is taken up in the breathing organs of higher animals and conveyed to every part of the body, there to cause that oxidation which is a sort of burning and results in the development of heat and other more important forms of energy—activity of various kinds—in the vigorous, rapidly moving self-assertive animal.

Equally important is leaf-green to the plant, but in a totally different way, and in consequence of the "leaf-green" leaf-green proves to be as important also to the animals which live in association with green plants as it is to the plants themselves. Indeed, when we examine carefully what is going on in nature we find that animals are absolutely dependent for their existence on green plants. The splendid contrast of the colors blood-red and leaf-green is no less emphatic than the contrast of these two substances in their services or function in the living organism.

It is solely and entirely in consequence of the possession of this beautiful green substance, "leaf-green," or "chlorophyll" (from the Greek "chloros," green, and "phylon," a leaf) that the green plants of all kinds and sizes which clothe the surface of our earth are able, in the first place, to obtain the carbon which forms a necessary part of their food.

Carbon is, together with hydrogen, oxygen and a little sulphur, combined to form the viscid living substances of all living things, whether plants or animals, which is the chief constituent of "protoplasm," or "cell stuff," the substance of life seen with the microscope in the form of "cells" or nucleated corpuscles, when we search out with that instrument the ultimate structure of living things. In order to grow and carry on the life of their cells or corpuscles of protoplasm, living things require supplies of these elements as "nutrition" or "food."

Animals take the whole lot ready prepared for them in combination, either by eating plants or by eating other animals which have eaten plants. They must have it so prepared; they cannot feed on the elements nor on the simple compounds of them. So that animals are strictly and absolutely dependent on plants for their food. "And what do the plants do?" we may ask; "where do they get these organic elements and build them up into chemical combination, so as to furnish food to animals?"

The first step—the taking by the plant of carbon or carbonic acid—is better understood; indeed, the actual tangible facts and conditions of the process are quite easily to be seen by any one who has a good microscope. It depends entirely on two things, namely, chlorophyll, or leaf-green and sunlight. Without light energy the plant cannot seize the carbon of carbonic acid and which pervades the air and water around it; only when acted on by light can it perform this immensely important feat. And a colorless plant, or rather, one should say, a "greenless" plant or the greenless parts of plants, whatever their other colors, cannot do it. It is quite readily shown by simple experiment that only the green parts of plants—and these only in light—can decompose or break up carbonic acid (which is a simple chemical compound of carbon and oxygen) and seize from it the necessary food element, carbon. Hence the enormous importance of leaf-green or chlorophyll.

The green plants of the world pour daily into the atmosphere millions of gallons of pure oxygen gas. In fact, it is probable that all the oxygen of the atmosphere has come from them. There is thus a constant circulation of the carbon and oxygen between plants and animals, the plant building up proteins and liberating oxygen, while the animal combines the oxygen with the proteins, profits by the energy set free by the oxidation, and throws carbonic acid into the air. And all this depends on leaf-green or chlorophyll; without leaf-green this process cannot go on.

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ORKIN BROTHERS

Successors to The Bennett Co.

Forging Ahead by Leaps and Bounds, Winning Public Confidence on Every Side, Gaining a World of New Trade Through

The Sheer Force of Greater Values and Genuine Satisfaction to All

DAY AFTER DAY THIS NEW ORGANIZATION IS MAKING NEW TRADE RECORDS FOR THIS LONG ESTABLISHED STORE. New blood is coursing through every vein of this business. Enthusiasm is at a high pitch. We're bending every energy to make this store the most satisfactory trading place in this territory. A great army of sincere men and women are ready to serve you right from morn till night. WE RESPECTFULLY INVITE YOUR PATRONAGE.

YOU'LL SOON SEE MATERIAL EVIDENCE OF OUR DETERMINATION TO GIVE OMAHA ONE OF THE MOST METROPOLITAN STORES IN AMERICA. No stone will be left unturned, no expense will be spared in transforming this magnificent building into your ideal of a most modern merchandise establishment. Time will tell, for it takes time to accomplish all these things. Many innovations are now under way and more will follow. WATCH US GROW—HELP US GROW.



Monday's Special Offerings are of Genuine Importance to Careful Buyers

FALL STYLES IN SMART NEW SILK DRESSES NOW READY. To your certain pleasure in seeing them. Our great second floor garment store will soon be ready with a complete new fall stock in all lines, silk dresses Monday.

The New Fall Charmeuse silk dresses are unusually attractive. We'll show you an exceptional advance collection. We direct special attention Monday to charmeuse silk dresses with shadow lace collars and cuffs and long sleeves, wide color range—special at \$19.50

High Class Novelty Crepe meteor and charmeuse silk dresses, beautifully trimmed with lace, tapestry, brocades and Roman stripe effects. Extremely interesting dresses. at \$35.00 to \$49.50

Save in Our Great Linen and Bedding Sale

Hotel men, here's your special advantage in buying supplies. Take an inventory of your linen stocks today. Come here tomorrow and buy at a price that affords you wonderful savings on standard linens and beddings.

35c 27-inch and 36-inch narrow and wide web pique. This has been one of the most popular fabrics of this season. We close out both medium and light weights Monday at 22c

Pay Far Less Than Half Price for choice of all our lingerie and colored wash dresses.

All Lingerie Dresses Monday \$1.95 to \$5.95

Our Greatest Shoe Clearance

Anticipate your future needs. Many wise men and women are buying now for next summer's wear as well as today's. We must make room for our big fall stock. Soon Orkin's will be Omaha's largest shoe store. Now, it means sell all shoes regardless of cost. It's your opportunity.

"CHENEY BROS." SILK SALE MONDAY

On Monday we will place on sale Cheney Bros. shower proof foulards, conceded by experts to be the best wearing silk ever placed on the market. A splendid assortment of designs and colors. Sold regularly at \$1.00 per yard; on sale Monday at 59c

China Dept. Sale

A most timely event. Don't miss it Monday. Mason fruit jars, pints, 50c per dozen

98c to \$2.98

20% Reduction On All Pictures

To make room for fall designs in pictures, we will offer Monday a 20% discount on every framed and unframed picture in our entire stock.

Slashing Sale of Wall Papers

The balance of our entire stock in room lots. Regular 10c to 15c papers. All closing out Monday at 25c per room up.

Stirring Bargains Men's Hose @ Underwear

Men's \$1.25 and \$1.50 Union Suits, odd lots to close quick Monday 75c

Men's 50c plain balbriggan Shirts and Drawers, 39c Monday

One-Half Price

Our Grocery Values Will Save You Money

FLOUR FLOUR FLOUR

Monday we place on sale 500 sacks of Bennett's Excelsior Flour, at, per sack, \$1.45

19 lb. granulated sugar, \$1.00

20 bars Diamond C or Beat 'Em All Soap, \$2.50

2 1/2 pkgs. Diamond Crystal Shaker salt, \$1.50

3 cans Calumet baking powder, \$1.00

Two 10c pkgs. Sheeps' coconut, \$1.50

24-lb. sack Queen of the Pantry flour, \$1.15

Yellow corn meal, per sack, \$1.00

25c Houten's Cocoa, special, \$1.00

Sour pickles, 2 dozen for, \$1.50

1 lb. fall salmon, \$1.00



Big Saving on High Grade Go-Carts Monday

The best vehicle for the physical comfort of the child. Go-carts from the world's best makers at less than the makers' cost Monday.

\$5.00 one-motion folding-go-cart, with spring seat, 2-bow hood and adjustable back, well braced, \$5.50

\$2.50 light, four-wheel fender. A 4-bow hood, five-eighths rubber tire, a folder, well made (like wheel. Adjustable dash and back. Tan and green shades, Monday \$1.75

100 pieces formerly sold for \$1.50 to \$1.75. Copied and nickel plated chafing dishes, coffee pots, tea pots, etc. 75c to \$3.75

150 six-quart blue enamel sauce pans, all 3-coated goods worth \$1.00, at 25c

150 six-quart blue and white milk pans, 3-coated goods, \$1.00

160 ten-quart blue enamel pans, 75c value, 39c

75 clothes-pins for 5c

Buy a coffee boiler or take on that picnic; 8, 10 and 12-quart blue and white lined, 69c

Refrigerators Great Half Price Sale

Monday our entire line of Perfection and Century refrigerators go on sale at just half price. Weeks of hot weather yet in sight.

\$25.00 refrigerators \$12.50

\$20.00 refrigerators \$10.00

\$15.00 refrigerators \$8.00

Beauty of Arizona's Cave

Explorers Fail to Reach the End of Vast and Wondrous Cavern.

One of the most wonderful caves in the world has been found in southern Arizona. Unnamed, incompletely explored, and almost unknown is the vast

Only a few persons have dared enter to view its grandeur and to study the wondrous work of nature.

The cave lies in the foothills of the Hunchua mountains, about forty miles northwest of Nogales, Santa Cruz county. Exploring parties have entered and spent days inside, but none has ever discovered the end. They report passageways, rooms and chambers innumerable, some enormous in size, of transparent stalactite columns. One room has a level and smooth floor, and they have called it the dance hall, and others have unfathomed pits and chasms.

One party returning to Nogales said that immense stalactite columns extending from roof to floor may be seen on either side of the entrance. As they proceeded on their downward journey the formations became more interesting, until they found themselves in a labyrinth of passages resembling hallways, windows or entrances into other rooms or chambers, in which appeared stalactites in thin sheets, round, square, and, in fact, in almost all shapes conceivable, from a few inches to thirty feet in length.

In the first chamber a most beautiful stalagmite rises from the floor to about twenty feet in height, and stands out independent and alone in all its silent splendor. Other can be seen, and have their individual beauty, but they do not compare with this monarch.

Of the discovery little is known. Pat McCarty of Canille was perhaps the first local explorer of the cave. On one of his trips he found the skeleton of a man lying on a shelf, which readily crumbled on being handled. Some Indian pottery and beads have been found, samples of which are on exhibition at the Tucson university—Nogales Dispatch.

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