BOYS AND GIRLS

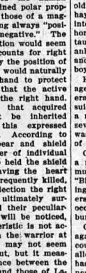
OUT-OF-DOOR EXPERIMENT.

Interesting Test of the Effect of Sun's Rays on Water Placed in Bottles.

Get two plain white bottles, one a short, flat flask and the other taller and heavier, for instance an old ginger ale bottle. Fill the small flask with water and insert in its neck a cork a little large for it, so that it almost refuses to go in. Then push this cork in tightly and be very sure that it is firmly and securely in place. Fill one-third of the larger bottle with water and cork it with a cork that fits well but not too tightly, says a writer in Good Literature. Drive a forked stick into the ground so that the fork is about three inches from the earth and prop up the tall bottle on this rest, so that it points upward at an angle of about 40 degrees.

Now drive two more forked sticks into the ground just behind the bottom of the bottle, one on each side of it. These are to hold your flask, which must be laid across them so that one edge is higher than the other and its upper side turned directly toward the sun.

You will notice that the sun's days shining on the slightly convex side of the flask, seem to focus or all gather together at one point just beneath the flask. If you put your finger on this spot you will find that it is very, very hot. If you put a whisp of paper there you will see its edges curl up, turn brown and presently, if the sun is hot, take fire, just as if some one had touched a match to them and the whole paper will burn to ashes.



Now you must change the position of the larger bottle until this hot spot is on the place near the bottom where the water is. Now you must be patient and wait for something to happen, but if the sun is hot you will not have to wait long. In a few minutes you will see the water in the larger bottle begin to arise from it. A little bubble more and more and the vapor will grow thicker and thicker until it fills the bottle.

Suddenly you hear a noise like a small pistol shot; the cork flies

The Cannon Exploded.

through the air like a bullet followed by a cloud of the vapor from the bottle. Your cannon is discharged!

The sun's rays shining upon the upper side of the flask and passing through it, focused upon the water in the larger bottle had the same effect upon it that they had on the paper they heated it. The white vapor was steam, the same force which moves locomotives and all sorts of engines, and as more and more steam gathered and began to exert a pressure in all directions, it piled up a lot of force because it was held in check. Then as its force grew greater and greater it began to push the cork out, for this was easier than to break the bottle and at last the cork was sent flying and the steam escaped, just as it does from the mouth of the tea kettle on the range at home.

Affectionate Eagles.

A man working on a farm one day saw an eagle fluttering over the barnyard, no doubt meaning sooner or later to swoop down in search of prey. He determined to save his chickens, and fetching a gun, fired at the would-be robber. But he only succeeded in hurting its wing. Instead of falling to the ground it flapped about in the air in a helpless sort of way, uttering loud cries of pain.

The man was just going to fire again when he noticed another eagle coming up in the distance. It was evidently the mate of the one he had wounded, for it came straight to its rescue. Seeing that the first eagle could not fly away itself, the newcomer seized its wounded mate with its beak and claws, and half carrying it, helped it to fly slowly away to the mountainside, where it put it down, as it thought, in a safe place. For a whole week the eagle on the farm saw it, day after day, carrying food to the disabled bird.

It would have been quite easy for them to have killed both birds during this time, but the farmer forbade his men to molest them in any way, because he was so pleased at the affection and courage the one had shown on behalf of the other.

After a time the wounded eagle got well, and they both flew away.

FISHERMAN'S LUCK.

Death Came Swift and Sure.

Young Johnny went a-fishing
But the worms he got away
And all that young Johnny got
Was a weary sitting in the sun.
Young Johnny hurried homeward
As hungry as could be,
But all that young Johnny got
Was that which you here see.

WHY ARE WE RIGHT HANDED?

Most Rational Explanation Would Seem to Be That Which Accounts for Position of Heart.

The most recent explanation of right handedness, by a psychologist, is exciting some merriment among medical men. He supposes the human body to have unexplained polar properties, somewhat like those of a magnet, the right side being always "positive" and the left "negative." The most rational explanation would seem to be that which accounts for right and left handedness by the position of the heart. The shield would naturally be held in the left hand to protect this vital organ, so that the sword work would fall to the right hand. Those who maintain that acquired characteristics cannot be inherited will desire to have this expressed somewhat differently. According to them positions of spear and shield were at first a matter of individual choice, but those who held the shield in the right hand, leaving the heart exposed, were more frequently killed, so that by natural selection the right hand spear holders ultimately survived and propagated their peculiarity. In this case, it will be noticed, the inherited characteristic is not acquired, but existed in the warrior at birth. We have hence may not seem worth quarreling about, but it measures the whole distance between the followers of Darwin and those of Lamarck. At any rate the hypothesis, in whichever form it is put, seems eminently reasonable, whereas talk about "polarity" would appear to be mostly verbiage.

WILD DOGS OF THE FAR EAST

Gaunt, Ravenous, Mangy and Insolent Creatures Are Permitted to Prowl Streets.

In Constantinople and other cities of the east wild dogs, gaunt, ravenous mangy and insolent, are permitted to prowl about the streets in admirable packs. A favorite haunt of the beasts a few years ago was the Little Field of the Dead, a cemetery in Pera, Turkey. Here they gathered by the hundreds and basked in the sun and howled and fought, sometimes among themselves, always with intruders. They seemed to regard the graveyard garbage as their special estate.

Occasionally the easy-going authorities would be moved by frequent recurrence of outrages on the part of the wild dogs to order carters to carture packs of them. The brutes thus taken were driven aboard a ship and transported to a barren island in the Sea of Marmora. For in the east they do not believe in slaying dogs, even if it becomes impossible for people to live in the same neighborhood with them. Three days' provisions were provided for the animals on the island. And always they were accompanied by a mullah, or a priest, who before making the return journey preached to the canine congregation a long sermon on the duties of resignation and religious fortitude.

Proof That He Was Wrong.

Louis XIV., king of France, was very fond of playing at chess. One day he was having a game with one of his courtiers, and during the game made a blunder, to which his adversary respectfully called his attention. The king, who did not easily suffer contradiction, did not wish to acknowledge that he was wrong, and appealed to the noblemen who surrounded the table, but none of them made any reply. Just then the duke de Grammont came into the room, and immediately the king saw him he appealed to him, and wished to explain to him the subject of the dispute, but the duke hardly allowed him to finish.

"Your majesty is certainly wrong," he said, with a firmness of tone which astonished the king, and caused him to frown.

"How do you know that I am wrong, Monsieur le Duc?" replied the king, "you have not even given me time to explain to you what the question was."

"I know undoubtedly," replied the duke of Grammont, "for all these gentlemen, whom your majesty was country for the moment I arrived, only replied by their silence. They would every one have hastened to take your part if you were not in the best right."

The king was struck with the sense of this argument, and admitted that he had made a mistake.

ILLINOIS BREVITIES

Clinton.—The third contest over the will of Col. Thomas Snell, the eccentric old man who died leaving an estate of $2,000,000 and cutting his only son off with an annuity of $50, was ended when a jury decided that Col. Snell was insane at the time he made the will. This decision sets aside the bequest of several thousand dollars to Mabelle Snell McNamara, the aged colonel's affinity. If the will had stood the legal heirs would have received, all told, annuities aggregating $5,000, and not exceeding $1,000 in any single case, while the residue of the fortune would have been held in a weird trust agreement for heirs yet unborn. On the date set for final distribution, in the terms of the will, the estate would have grown probably to $10,000,000.

Champaign.—Three men were killed and two injured in a head-on collision between south-bound passenger train No. 23 and north-bound train No. 26 on the Chicago & Eastern Illinois railroad at Rosa, near here. The dead are: W. E. Barker, engineer, Chicago; Paulson, fireman, Villa Grove; P. H. Hollenbeck, express messenger, Chicago. The injured: J. Berger, engineer, Villa Grove; Oscar Thomas, express messenger, Chicago.

Rockford.—Andrew Nelson, 4 years old, was watching his father hoisting hay into the barn when he stepped into a loop of loose rope. When the horses started the rope was drawn taut his leg was almost severed at the ankle. A surgeon amputated the foot and took the child to a hospital. The boy will recover.

Effingham.—Dudley Bourland, an aged resident of this city and a veteran of the civilar war, committed suicide here by his head under a rail and allowing a locomotive to sever the head from his body. He was temporarily deranged on account of sickness.

Carlyle.—Residents of Pocahontas, a mining town in Bond county, are much excited over the circulation of "Black Hand" letters. Owners of buildings occupied by some hundred miners have been ordered to oust the occupants or have the buildings burned.

Clinton.—A letter making threats against Judge Philbrick, now holding court here, has been received by him alleging that by continuing cases he has caused much expense to wifeless men and families. The judge makes light of the letter.

Kewanee.—While excavation was in progress for the foundation of a new federal building in the business district here three well-preserved buffalo skeletons were found. A human had been on the site over fifty years.

Rockford.—Gerald Landis Johnson was killed between Cherry Valley and Irene by an Illinois Central train he had been sent out to flag. Evidence showed he had been overcome by heat as the train approached.

Rockford.—Miss Adella Hanmond of Galesburg, a patient at Rockford sanitarium, drove away with a horse and buggy owned by Dr. Ransom. The buggy was found later, but no trace of the girl had been discovered.

Peoria.—Jennette Dolan, a musical comedy star in one of Richard Carle's companies, and her brother, James Dolan of Chillicothe were drowned at Chillicothe park in Mille fashion.

Monmouth.—The Democratic judicial convention to select a candidate to succeed the late Justice Dan C. Scott will be held here Thursday, July 29.

Galesburg.—Despondent because of ill health, Mrs. Samuel Brandt, residing five miles southwest of Edinburg, attempted to end her life by taking a potion.

Sterling.—George H. Fonks, secretary of the Sterling, M. C. A., has accepted the position of secretary of the immigration branch of the national Y. M. C. A. in New York.

Monmouth.—Because their places were searched for gambling apparatus Thomas and Frank Bloomquarantero may sue the city for damages.

Chicago.—Alfred R. Urion, general counsel for Armour & Co., was elected president of the board of education without a dissenting vote.

Effingham.—Sunday baseball was run over and killed by a Vandalia passenger train east of this city. He leaves a wife and four children.

Lagrange.—Dr. George Marshall Fox, one of the oldest and best known physicians in northern Illinois, died at his home here.

Sterling.—Cecil Studevant, aged 25, and Mrs. Nellie Studevant, 20, "eloped" to this city and were married.

Neoga.—E. B. Landis, pastor of the Presbyterian church for the last five years, has resigned, effective September 1.

Mount Carmel.—On a charge of thrashing a 14-year-old girl, Mrs. Mary E. Teague was fined in the police court.

Allentown.—While singing the feathers of a chicken she was preparing for dinner, Mrs. Sanford Sparks was fatally burned when her clothing was set on fire by a flame that burned from her body, her entire hair being seared.

Streator.—Accused of being implicated in swindling James Tierney of Streator out of $16,000 at New Orleans, Thomas Gay is under arrest.

Wood River.—Sentiment is so strong against retaining the name of the founder of Benbow City as the name of the village, that the village board favors a substitute.

SOLID GOLD & SILVER AWARD

For the Best Ear of Corn

To be Known as the W.K. Kellogg National Corn Trophy

To be Awarded at the

National Corn Exposition, Omaha, December 5 to 18, 1909.

Over one hundred thousand million (100,000,000,000) ears of corn were grown in the United States last year. Over a billion dollars were paid for them. More than a million and a quarter extra dollars went into the pockets of the farmers for corn this year than they received for the previous year's crop.

The reason for this may be found in the fact that the people of the United States are beginning to learn how delicious corn is and to realize its full food value.

Kellogg's Toasted Corn Flakes has placed corn among the indispensable items of daily fare.

The public, therefore, are interested in the development of the King of Cereals, and have decided to award a beautiful trophy for the man, woman or child who can produce the best ear of corn in two different seasons.

Professor Holden of the Iowa State College, the greatest authority on corn in the world, will award the prize at the National Corn Exposition, to be held at Omaha, Neb., December 5 to 18th, 1909. Two single rings will govern the plan, and they are—that you send your best ear of corn to the National Corn Exposition, Omaha, Neb., before December 18, 1909, and that you are a member of the National Corn Association. Full particulars regarding which can be had by writing to the National Corn Exposition, Omaha, Neb., or the Secretary of the National Corn Association, Lincoln, Neb., who will be happy to furnish the best you will get for your money for 1909. If you succeed again next year or the year following, the trophy will become your property for all time. In either words, you must produce the best ear of corn two different years.

There will be no restrictions. Any man, woman or child belonging to the Association can enter. It will be open to every man in the Union. Professor Holden will judge the corn purely on the basis of quality. Any number of ears of corn per acre is one object of the award, but the main purpose of the founder of the trophy is for

Increasing the Quality of Corn Used in Making Kellogg's

TOASTED CORN FLAKES

Many people think we have reached the point of perfection in Toasted Corn Flakes as it now is. Perhaps we have. If you haven't tried it, begin your education in "food things to eat" today. All grocers have it.

KELLOGG TOASTED CORN FLAKE CO., Battle Creek, Mich.

The Genuine Corn Flakes has this Signature

THAT FROZE HIM.

"I suppose," he said, ingratiatingly, "you often get spoken to by men?"

"Yes," she replied, "and by monkeys. But tonight there don't seem to be any men about!"

TOLD TO USE CUTICURA.

After Specialist Failed to Cure Her Internal Kidney Ailments—Had Been Tortured and Disfigured But Was Soon Cured of Dread Humor.

"I contracted eczema and suffered intensely for about ten months. At times I thought I would scratch myself to pieces. My face and arms were covered with large red patches, so that I was ashamed to go out. I was advised to go to a doctor who was a specialist in skin diseases, but I received very little relief. I tried every known remedy, with the same results. I thought I would never get better until a friend of mine told me to try the Cuticura Remedies. So I tried them, and after four or five applications of Cuticura Ointment I was relieved of my intolerable itching. I used two sets of Cuticura Remedies, and I am completely cured. Miss Barbara Kral, Highlandtown, Md., Jan. 9, '08."

Potter Drug & Chem. Corp., Sole Props., Boston.

A Case for Sympathy.

Two thirtrons of a certain western city, whose respective matrimonial ventures did not in the first instance prove altogether successful, met a woman's club one day, when the first matron remarked:

"Hattie, I can't imagine, sez, dear old Tom, thy day before yesterday. We talked much of you."

"Is that so?" asked the other matron. "Did he seem sorry when you told him of my second marriage?"

"Indeed, he did; and said so most frankly!"

"Honest?"

"Honest! He said he was extremely sorry, though, he added, he didn't know the man personally."—Lippincott's Magazine.

Laymen Combat White Plague.

According to recent figures published by the National Association for the Study and Prevention of Tuberculosis, nearly 50 per cent. of those enlisted in the active campaign against consumption are laymen, and the percentage of laymen has tripled in the last four years.

A Hard Thing.

"Am using Lewis' LEWIS' POPE-EASE, and can truly say I couldn't get along without it at nothing, but I known the relief it would give my aching back. I think it a rare good thing for anyone having sore or tired feet."—Mrs. Mary Hallock, Providence, R. I." Sold by all Druggists, 25c. Ask for it.

Pride is not a bad thing when it only urges us to hide our own heart not to hurt others.—George Sand.

It's the judgment of many smokers that Lewis' Single Binder 5c cigar equals in quality most 10c cigars.

Use your little hammer for nailing lies, but don't be a knocker.

The battle without goes as goes the battle within.

HAMLINS WIZARD OIL GREAT FOR PAIN

THE OIL THAT PENETRATES

A Probable Theory.

"Truth," remarked the philosopher, sententiously, "lies at the bottom of a well."

That accounts," said the cynic, dryly, "for the fact that so much of the well water is contaminated."

Idaho Carry Art Lands.

Now comes for entry and settlement in the Coeur d'Alene and Lewiston land districts, Idaho, the following described lands, subject to final government supervision. Portions of these lands are now in active market with S. Harth, Boise, Idaho.

One trouble with the habitually crooked man is that he never knows which way he is turning.

Smokers also like Lewis' Single Binder cigar for its purity. It is never doped,—only tobacco in its natural state.

Life has one great purpose, the growth of character.—Wesley.

DODD'S KIDNEY PILLS

FOR ALL KIDNEY DISEASES

BRIGHT'S DISEASE

DIABETES

50 CTS. A BOX

"Guaranteed"

Famous English Detective Tries to Catch the French Gentleman Criminal

Arsène Lupin is bold. He announces beforehand in the papers what his next crime will be. The story begins in the August number of

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The first installment is "No. 914—Series 1." It is a tale of real bold yet interest. The French Police finally give up in their attempt to trap the Lady Lupin and send to England for Herlock Sholmes. Then follows a battle of wits. The clever French rogue against the keen reasoning English detective.

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W. N. U., CHICAGO, NO. 30-1909.

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NOTHING LIKE IT FOR

THE TEETH Pastine excels any dentifrice in removing tartar from the teeth, besides destroying all germs of decay and disease which ordinary tooth preparations cannot do.

THE MOUTH Pastine used as a mouthwash disinfects the mouth and throat, purifies the breath, and kills the germs which collect in the mouth, causing sore tongue, bad teeth, bad breath, grippe, and such sickness.

THE EYES when inflamed, tired, sore or weak, bathed with Pastine, may be instantly relieved and strengthened by Pastine.

CATARRH Pastine will destroy the germs which cause catarrh, heal the sores, stop inflammation and stop the discharge. It is a sure remedy for catarrh and hay fever.

Pastine is a harmless yet powerful germicide, disinfectant and deodorizer. Used in bathing it destroys odors and leaves the body antiseptically clean.

FOR SALE AT DRUG STORES, 50c. OR POSTPAID BY MAIL.

LARGE SAMPLE FREE!

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Bad Taste

in your mouth removed while you wait—that's true. A Cascaret taken when the tongue is thick-coated with the nasty squeamish feeling in stomach, sour taste and bad breath is the natural way to help nature help you.

CASCARETS—no box—week's treatment. All druggists. Biggest seller in the world. Million boxes monthly.

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