

CYCLONE FORMATION.

The Mechanical Laws Are the Same as in a Whirlpool.

Any one can make the exact counterpart of a cyclone if he so desires. Of course a cyclone is caused by the air over a big area getting warm and light with small pressure. This air consequently tries to rise almost in a body and leaves a partial vacuum behind, but the outside cold air rushes in from all sides. Now, it is a scientific and mechanical truth that when a fluid runs in from all sides toward a central point it causes a whirlpool or rotation of the fluid. The exact analogy of a cyclone, then, although with the fluid water instead of air, is seen when the stopper is pulled out of the bottom of a basin full of water. An almost perfect vacuum, as far as the water is concerned, is caused by the water immediately over the stopper running out. The rest of the water rushes in from all directions, and a whirlpool is the result. There is one difference here from the air cyclone. In the air the force with which it rushes toward the center greatly compresses the air whirling at that point and makes it very dense—so dense, in fact, that a straw carried in the central whirl can be driven into a big block of wood without bending. Of course in a whirlpool the water is not compressed, remaining practically the same in density all the time. That is one highly important property of water; it is practically incompressible. Nevertheless it is very interesting to see the whirl form in a basin and know that the mechanical laws are the same as in the formation of a cyclone many miles wide.—Harper's Weekly.

NEW JERSEY TEA.

Red Root, That Did Good Service in Revolutionary Days.

You housekeepers of today whose favorite brands of Orange Pekoe, English Breakfast, India and Ceylon, etc., diffuse their fragrance over your tea table would hardly suppose that tea, or, rather, a fairly good substitute for it, was once made from the leaves of one of our prettiest New Jersey wild flowers. Yet so it was in the old turbulent days of the American Revolution, when they had so much trouble over the imported article and used various beverages as substitutes for that to which they had become accustomed.

New Jersey tea, or red root, as it is also called, is a low growing shrub with many branches, seldom over three feet high, and is found from Canada to Florida, growing usually in dry wooded sections. It is very abundant in New Jersey, for which it is named. It blooms profusely in July and is so showy, with its many pinnated white blossoms, as to be quite worth a place in the garden as an ornamental shrub. It has a dark red root, with long downy beneath and very much veined, by which it is easily distinguished from the pure tea. An infusion of the leaves prepared in the same manner as the genuine article has somewhat the taste of ordinary grades of the tea of the orient, but is not supposed to possess any of its stimulating properties.—Exchange.

Bulwer Lytton and His Chorus.

The Princess von Racovitsa met Bulwer Lytton in the Riviera toward the end of the fifties. He was then, she says in her autobiography, "one of his first youth; his fame was at its zenith. He seemed to me an antidivine, with his long-dyed curls and his old fashioned dress. He dressed exactly in the fashion of the twenties, with long coats reaching to the ankles, knee breeches and long colored waistcoats. Also he appeared always with a young lady who adored him and who was followed by a manservant carrying a harp. She sat at his feet and appeared, as he did, in the costume of 1830, with long flowing curls, called Angelines. He read aloud from his own works, and in especially poetic passages his 'Albe' accompanied him with arpeggios on the harp."

A Tree Climbing Dog.

A government official in Bavaria connected with the forestry department has a wonderful dog, which is never off climbing trees as a out. If his master fastens a handkerchief up in the treetops the animal will clamor up after it in the most wary way and never fails to bring it down. He was taught by his mother, who was famous as a tree climber. The clever animal has won several medals by his extraordinary talent and takes particular delight in climbing silver birches, not the easiest tree in the world to scale, for the trunk is particularly smooth and slippery.—Wide World Magazine.

Kindness to Animals.

"What I believe in," said Mr. Ernest Tinkly, "is kindness to dumb animals."

"Yes," replied Miss Miami Brown, "I have hatched out some folks in life a chicken off de roost no gentle as tender dat he won't have his sleep disturbed skak'sly none."—Washington Star.

The Alternatives.

Figge—My wife wanting a new silk dress.
Fogge—Are you going to let her have it?
Figge—Yes. It's a case of silks or sulks.—Boston Transcript.

Unreasonable.

Mrs. Sharpe (severely)—Norb, I can find only seven of those plates. Where are the other five? Cook (in surprise)—Sure, mum, don't ye make no allowance for ordinary wear an' tear?

Hicks 1911 Almanac

The Rev. I. R. Hicks Almanac for 1911, that guardian angel in a hundred thousand homes, is now ready. Not many are now willing to be without it and the Rev. I. R. Hicks Magazine, Word and Works. The two are only one dollar a year. The Almanac is 35c prepaid. No home or office should fail to send for them, to Word and Works Publishing Company, St. Louis, Mo.

TAR AND FEATHERS.

A Coat of These Means Excruciating Torture to the Victim.

People who read of tarring and feathering know that the punishment is a very unpleasant one, but few imagine how terribly painful and dangerous it is. Hardened tar is very hard to remove from the skin, and when feathers are added it forms a kind of cement that sticks closer to a victim's suffering begins. It contracts as it cools, and every one of the little veins on the body is pulled, causing the most exquisite agony. The perspiration is entirely stopped, and unless the tar is removed death is certain to ensue.

But the removal is no easy task and requires several days. The tar cannot be softened by the application of heat and must be peeled off bit by bit, sweet oil being used to make the process less painful. The irritation to the skin is very great, as the hairs cannot be disengaged, but must be pulled out or cut off. No man can be cleaned of tar in a single day, as the pain of the operation would be too excruciating for endurance, and until this is done he has to suffer from a pain like that of 10,000 pin pricks. Numbers of men have died under the torture, and none who have gone through it regard tar and feathering as anything but a most fearful infliction.

TOBACCO IN THE ARCTIC.

Resource of Miners When They Can Neither Chew Nor Smoke.

"When the wind is blowing thirty miles an hour and the temperature is 40 below it is some cold," said a man from Alaska, "if a man used tobacco in the ordinary way out of doors during such weather and got his lips wet through smoking a pipe or chewing he would be apt to get into trouble. First thing he knew he'd have his lips cracked, and they would be raw all winter long."

The regulars stationed at the military posts in Alaska found that if they tried a tobacco leaf in their armpit previous to undressing they would become very sick and could pass the post surgeon for hospital, getting rid of detail work they wanted to avoid.

"The miners up there learned something of this and found that the tobacco craving could be satisfied by binding a quantity of the leaf either in the armpit or against the sole plexus. This avoided broken and bleeding lips during the winter, and they weren't prevented from smoking indoors as well if they wanted to. It was the outdoor smoking or chewing that made all the trouble."—New York Sun.

Way to Treat Venison.

The sportsman was explaining to a few of his uninitiated friends, "If you don't like venison," he said, "it is because it has not been prepared properly. I think I know the kind you have tried to eat, and I agree with you it is not fit. After the deer has been shot the carcass probably has been allowed to lie around until the blood has discolored the meat and really has almost tainted it. Few hunters dress their game carefully enough. As soon as a deer is killed the carcass should be thoroughly bled, skinned, the entrails removed and the meat hung up in the dry air for some hours. Thorough and prompt bleeding is of the utmost importance. Venison prepared in this way is comparatively light in color—that is, it is a clear, bright red, and the fat is white and clean. There is no strong, rank taste."—New York Press.

Revenge.

"Stop!" The brakes of the motor were suddenly applied, a pandemonium of whirling wheels ensued, and the motorist came face to face with Constable Coppin, who had been hiding in the hedge.

"Excuse me, sir," said the portly policeman, taking out his notebook and pencil, "but you exceeded the speed limit by two miles over a measured piece of road."

"I have done nothing of the kind," retorted the motorist, "and, besides—"

"Well, if you don't believe me I'll call the sergeant, because it was 'im as took the time. He's in the pigsty yonder."

"Don't trouble, Robert," the other hastened to reply. "I would sooner pay fifty fines than disturb the sergeant at his meals!"—London Answers.

Faithful Woman.

I tell you that women, as a rule, are more faithful than men—ten times more faithful. I never saw a man pursue his wife into the very ditch and dust of degradation and take her to his arms. I never saw a man stand at the shore where she was wrecked, waiting for the waves to bring back her corpse to his arms, but I have seen a woman with her white arms lift a man from the mire of degradation and hold him to her bosom as if he were an angel.—Ingersoll.

His Way of Doing.

"Could the cashier of that company explain the middle in the books?"

"He said he would clear it all up."

"Did he?"

"No, he didn't clear it up. He cleared out."—Baltimore American.

Unpleasant.

Henderson—Ever met with any serious accident while traveling? Henpeck—Did I? I met my wife while traveling abroad.

Trouble springs from idleness and grievous toll from needless ease.—Franklin.

Hick's 1911 Almanac

How is Your Title?

Have your abstracts made, continued or examined at the Peninsula Title, Abstract and Realty Co. Accurate work. Reasonable fees. H. Henderson, Manager, 120 North Jersey street.

See F. W. Valentine for real estate and insurance. 204 N. Jersey.

Preach the gospel of St. Johns.

THE DEAREST GIFT.

A Pathetic Incident in the Life of Robert Browning.

A young American woman was traveling one day in an Italian railway coach, the only other occupant of the compartment being an elderly gentleman. Observing the interest of the young woman in the country through which they were passing and seeing also that it was new to her, the more experienced traveler pointed out objects and places of note.

From scenery the conversation drifted to books and authors, until something suggested to the young American one of Elizabeth Barrett Browning's sonnets, which she quoted.

She was astonished and amazed because the gentleman made no reply, but during the rest of the ride sat looking intently out of the window, having apparently forgotten the very existence of his traveling companion.

As they neared the station where the young lady was to leave the car she said timidly:

"I fear, sir, that I have offended you. Perhaps you do not like Mrs. Browning's poetry."

The man slowly turned upon her face dimmed eyes, and in a voice full of emotion he said:

"Madam, that sonnet is the sweetest, as its singer was the dearest, gift God ever gave to me."

Her traveling companion was Robert Browning.—Youth's Companion.

A CURIOUS ANIMAL.

The Sea Cucumber Can Part With and Replace Its Organs.

Among the curious animals which inhabit the sea we may take the holothuria, or sea cucumber, so called from its resemblance to the cucumber.

When this animal is attacked by an enemy it does not stand up and fight, but by a sudden movement it ejects its teeth, stomach, digestive apparatus and nearly all its intestines and then shrivels its body up to almost nothing. When, however, the danger is past the animal commences to replace the organs which it has voluntarily parted with, and in a short time the animal is as perfect as ever it was.

Dr. Johnstone kept one in water for a long time, and one day he forgot to change the water. The creature in consequence ejected its intestines and shriveled up, but when the water was changed all its organs were reproduced. Although the animal is not eaten in Europe it is a favorite with the Chinese, and the fishing forms an important part of the industry of the east. Thousands of junks are annually used in fishing for them, as the animals are called.—London Tri-Bliss.

Cows That Never Drink.

The "wild cows" of Arabia, in reality an antelope, the Bientrix oryx, is said never to drink, which is probably correct, for unless these animals can descend the wells they can find no drinking water for ten months in the year. There is no surface water, and rain falls but precariously during the winter. Only once during my journey did I find a pool of rainwater, caught in a hollow rock, and even this I should have passed by without knowing of its existence had not my camels sniffed it from a distance and obstinately refused to be turned from going in that direction. These antelope, however, are provided by nature with a curious food supply, especially designed as a thirst quencher. This is a parasite which grows on the roots of the desert bushes and forms a long spindle full of water and juice. The antelope dig deep holes in the sand in order to get at these.—Wide World Magazine.

Easily Explained.

"They have to admit in the old world," said a New York theatrical man, "that we've got them beaten on every count. Talk to them about the matter and they can only quibble."

"Oh, yes," said an English banker to me the other day, "you've got a great country, the greatest country in the world, there's no denying that."

"Then he gave a nasty laugh."

"That look at your dress," he said. "Your terrible fins are a disgrace to mankind."

"Oh, our dress," said I, "are due to the friction caused by our rapid growth."

Man's Early Building.

The ruins of successive human habitations unearthed in Asia show how man advanced from primitive savagery to the pomp of Babylon and Nineveh. First he improved the caves in which he dwelt by leveling the floors and cutting windows to give him light. Afterward he constructed entirely artificial habitations for himself, at first roughly made tents of boughs and leaves, then huts of mud and finally dwellings of wood and stone.

Spiteful.

"Yes," said the engaged girl, "Dick is very methodical. He gives me one kiss when he comes and two when he goes away."

"That's always been his way," returned her dearest friend. "I've heard lots of girls comment on it."

Thus it happens that they cease to speak to each other.

Fall in With the Argument.

"The leading question," said the colonel, "is the financial one."

"Right," replied the major, "and I was just about to ask you to add \$5 to that \$10 I borrowed from you yesterday."—Uncle Remus' Magazine.

"The easiest thing I know of," says the philosopher of folly, "is to begin to save up some money next month."—Cleveland Leader.

NOTICE.

I will offer for sale to the right cash bidder on Saturday, December 10, at 10 o'clock a. m., at the front door of the St. Johns Furniture Co. at St. Johns, Oregon, one cottage organ to satisfy storage charges.

R. Wilcox.

Bring in your job printing while you think of it. Don't wait until you are entirely out. We are equipped to turn out neat and tasty printing promptly at Portland prices or less.

Proposals for Street Work

Sealed proposals will be received at the office of the recorder of the city of St. Johns, until Dec. 6, 1910, at 8 o'clock p. m. for the improvement of Fessenden street from the westerly line of Edison street to the southerly limits of the city of St. Johns in the manner provided by ordinance No. 321 subject to the provisions of the charter and ordinances of the city of St. Johns, and the estimate of the city engineer, on file.

This bid is for cross walks and box gutters only, according to the plans and specifications for said improvement. Bids must be strictly in accordance with printed blanks which will be furnished on application at the office of the recorder of the city of St. Johns. And said improvement must be completed on or before 120 days from Oct. 11, 1910. No proposals or bids will be considered unless accompanied by a certified check payable to the order of the mayor of the city of St. Johns, certified by a responsible bank for an amount equal to ten per cent. of the aggregate proposal.

The right to reject any and all bids is hereby reserved.

By order of the city council,
A. M. ESSON,
City Recorder.
Published in the St. Johns Review Nov. 18, 25 and Dec. 2, 1910.

EXECUTOR'S NOTICE.

Estate of Samuel Cochran, deceased. Notice is hereby given that the undersigned has been appointed administrator of the estate of Samuel Cochran, deceased, by the county court of Multnomah county, Oregon, and has qualified. All persons having claims against said estate are hereby notified to present the same to me, either at St. Johns, or at the office of George J. Perkins, 303 1/2 Lewis building, Portland, Oregon, with proper vouchers and duly verified, within six months from the date hereof.

Friday, November 4, 1910, is the date of first publication.

THOMAS HENRY COCHRAN, Executor.
GEORGE J. PERKINS, Attorney.
Published in the St. Johns Review Nov. 4, 11, 18, 25 and Dec. 2, 1910.

AMERICAN BEAUTY CORSETS

When you purchase a corset you want one that has STYLE.

It is equally important that the same corset be COMFORTABLE and if you can also have one that WEARS WELL and that corset can be bought at a REASONABLE PRICE ONE DOLLAR UP you have all the requisites of a splendid corset.

AMERICAN BEAUTY CORSETS have every one of these excellent features and many more. Every improvement as exacted by fashion is combined in these dainty garments.

AMERICAN BEAUTY CORSETS have every one of these excellent features and many more. Every improvement as exacted by fashion is combined in these dainty garments.

Couch & Co.

THE PALM CAFE
Thos. Glover, Prop.

Pure California Port Wine
\$1.25 to \$2.00 per gallon
Finest ever brought to St. Johns.

Choice liquors of all kinds at prices most reasonable.

REVIEW'S LEGAL BLANKS

The following list of legal blanks are kept for sale at this office and others will be added as the demand arises:

Warranty deeds, Quit Claim Deeds, Realty and Chattel Mortgages, Satisfaction of Mortgages, Contracts for Sale of Realty, Bills of Sale, Leases.

All these blanks at the uniform price of 30c per dozen.

Work for a Greater St. Johns.

EDMONDSON CO.
203 S. Jersey St. Phone Columbia 92

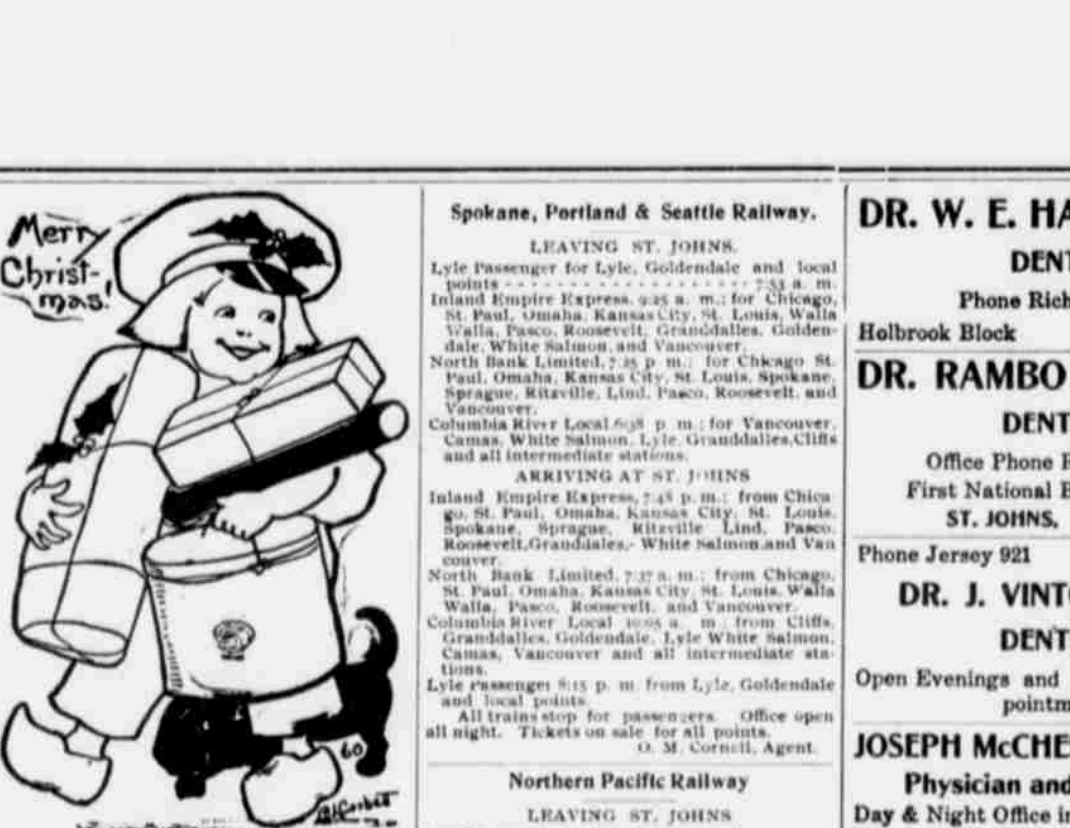
MCKINNEY & DAVIS
We Buy and Sell
Installment Property, Real Estate Bargains
Electric Bldg., St. Johns, Ore.
Be a BOOSTER for St. Johns.

Buy Your Christmas Presents Now

WE have prepared for your children's Christmas a large assortment of Toys, Dolls, Games and Tree Decorations. We are stocked with many substantial things for the home and we certainly can please you if you desire an article of mailing weight for we have large number of scarfs, pins, brooches, neckwear, fancy suspenders, arm bands, handkerchiefs, hair ornaments, and the daintiest things in wrappers, kimonos, hoods, sweaters and jackets for the baby.

Great preparation in the Grocery Department enables us to satisfy any one's appetite. Think of all kinds of nuts and candies, pop-corn, raisins, figs, dates, oranges, bananas, pine apples, currants and citron, orange and lemon peel. Your home store has the things you need and desire. Your home store takes care of you. Give us your business, but we want it only as we know our prices are as cheap as anywhere, value considered.

BONHAM & CURRIER



Dear Heiny:
"Vun fleosofer did sed vonce:
"Life iss tam yust vun ting before anoder all der times." Und der ves somedings in—in dot feolosofer ven you leafs der svart words ol, First ve haf dot awful hollowen, den come Thanksgiving mit its gastronomocolly accessories, den Krismus mit its ditto, und presents vut gifs your pocketbook dot fame, und den New Year, und Lincoln's birthday, und den Washington ves borned, den der 14st of Ireland, und May day, und der July 4, und den ve get next by Portland vot you call it 'nit'! und so it goes, vun troubles yust der oder behind pretty quick.

Dere vas vun bright spot mit all our adverticies und dot vas Muck Mercantile Co. Dot home always, yust always getting a liddle better already. Und yust now ve haf a fine lot of china goods for Krismus and dress goods of der latest fabrics vor children und oder folks vot vil make dem put der thumb by der nose und viggler der fingers as dey gif ol Jupiter Pluvius a laughing-fest ven he tries to sprinkle der beads der vasser on. Und der best shoes effer. Und hundreds of oder things yust right for Krismus. Dot prices vas der best, Aunt Katrina he say it vas sheeper than shealing und Mr. Muck sed he better lifet de quick sales mit a liddle profit dot always keeps nice, fresh, new goods his store in. Oh! you yust ought to come und trade mit me. I am vat you call—"It" at der

Notice of Final Settlement.

In the county court of the state of Oregon for the county of Multnomah. In the matter of the estate of Harmon Tryon, deceased.

Notice is hereby given that the undersigned executor of the above named estate has filed with the clerk of the above named court, her final report and account as executor; and that the court has fixed upon the 10th day of December, 1910, at 10 o'clock a. m. as the time and the county court room of the county court house as the place where said report will be heard, and any person or persons having any objection to anything in said report contained, or any objection or exception to any act by said executor as such, may file the same on or before said date and shall then and there be heard.

The first publication of this notice is the 11th day of November, 1910, and the last will be the 9th day of December, 1910.

MARY TRYON, Executrix.

HOLMES LODGE NO. 101
KNIGHTS OF PYTHIAS
Meets every Friday night at 7:30 o'clock at I. O. O. F. Hall. Visitors always welcome.
W. C. ALDEN, C. C.
A. W. FICKLE, K. R. S.

LAUREL LODGE
No. 186 I. O. O. F.
ST. JOHNS, OREGON
Meets each Monday evening in Odd Fellows' hall, at 8:00. Visitors welcomed.
E. S. Wright, K. G. C. P. Gates, Secretary.

CAMP 773 W. O. W.
Meets every Wednesday evening in Blockner's Hall.
W. E. Coon, C. C.
W. Scot Klogg, Clerk.

DORIC LODGE NO. 132
F. and A. M.
Regular communications on first and third Wednesdays of each month in Odd Fellows' hall. Visitors welcome.
E. S. Harrington, Allen R. Jones, Secretary, W. M.

Central Market!
HOLBROOK BLOCK
See us for the Choicest Cuts of the Best Meats Obtainable.
Order Filled and Family Trade Solicited.
T. P. WARD, Proprietor.
Office Phone Woodlawn 708
Res. Phone Woodlawn 1655
D. E. HOPKINS
DENTIST
Office Hours: From 9 to 12 m., 1 to 5 p. m., 7 to 8 p. m.
622 Dawson street, University Park

ROOSEVELT'S Own Book
The Most Popular Book
By The Most Popular Man
African Game Trails
Gives in book form by Roosevelt's own hand the sole account of his African Hunt.

AGENTS WANTED NOW in every City, Town and Village to handle Colonel Roosevelt's Great Book
CHARLES SCRIBNER'S SONS
153 Fifth Avenue - New York

Subscribe for the Review and be happy.
Preach the gospel of St. Johns.

HOT TIME FOR THE TURKEY about this season. Remember you cannot have a hot time in a cold house. Does your heating apparatus need a little plumbing? Don't put the matter off. About this season people are apt to all want us in a hurry and at the same time.

EDMONDSON CO.
203 S. Jersey St. Phone Columbia 92

MCKINNEY & DAVIS
We Buy and Sell
Installment Property, Real Estate Bargains
Electric Bldg., St. Johns, Ore.
Be a BOOSTER for St. Johns.

Preach the gospel of St. Johns.