

WHY SOME DYES ARE "FAST"

Vegetable and Animal Compounds Superior to Any Products of the Chemist's Laboratory.

Some dyes are "fast;" others fade either when the goods are washed or when they are exposed to the sunlight. The fastness or otherwise of a color depends upon the arrangement of the atoms that make up its molecules.

DECISION CUT LEGAL TANGLE

Point Involved in English Lawsuit Seems Hardly Worth the Time and Money Expended.

On the last day of the last month in the year 1809 a very curious legal battle was fought between the English crown and a gentleman, lord of the manor of Holderness;

The lord's bailiffs and the customs officers both raced to the spot and the contending parties each laid hold of the cask. Then the officers decided to go back to the custom house for further instructions;

At the trial the arguments on both sides were very learned and exceedingly lengthy. The decision of the court was in favor of the lord on the grounds that no permit is required to remove spirits unless it has paid duty;

Trees Look Like Ostrich Tails.

Forestry associations in the East have developed the habit of touring the national parks and national forests of the West, and are bringing back many interesting feature pictures as well as technical data.

As a matter of fact it would be quite as easy and far more correct to say trees in this case, for the celebrated Ostrich tree of California is really two trees—coast cypresses, which wind and weather have interlaced so that their foliage seems almost one.

These California ostrich trees are vanguards of a grove of picturesque, storm-beaten cypresses not so very far from the city of Monterey. All aside from the freak pair, which resemble a huge ostrich, stalking 'long shore, they would well repay any tree-lover's visiting.

Paderewski's Descent in Life.

Jo Davidson, the sculptor, who recently returned to the United States after many months in Europe, where many great men posed for him, relates the following passage between Clemenceau and Paderewski, which, Davidson says, occurred in his presence:

"Clemenceau is a gruff old sort of fellow," Davidson relates. "He was receiving Ignace Paderewski. "Are you Paderewski, the great pianist?" he asked.

"Yes," replied the artist, bowing.

"And you have just been elected premier of Poland?"

"Again Paderewski bowed and answered in the affirmative.

"Clemenceau looked at him a moment and then shook his head sadly, saying: 'My God, what a come down!'"

Preserving the Salmon.

Completion of an improved \$40,000 salmon hatchery at Madison, Conn., for restocking eastern streams with the valuable food fish that disappeared from that region practically a century ago, is awakening renewed interest in the cause of that early depletion, according to Popular Mechanics Magazine.

COMBINE ART WITH "MOVIES"

How City of Toledo, O., Attracts Children to Its Museum, for Educational Purposes.

In order to attract the children of Toledo to that city's museum of art the museum management offers its little visitors "story hours," gallery talks, music hours, classes in pure and applied design and the educational motion picture.

"The Toledo museum was the first to include motion pictures in its educational plan when, in the autumn of 1915, the necessary equipment was presented through the efforts of H. Y. Barnes, then assistant to the director," writes Eula Lee Anderson of Toledo.

"The policy of the museum is not to amuse by means of the film, but to educate the child along artistic lines, using only such productions as are of a distinctly cultural quality."

PLAGUE OF OLD EGYPT BACK

Crops of Argentine Province Destroyed by Locusts That Swarm in Uncounted Millions.

Shades of the plagues of ancient Egypt!

Santa Fe province of the Argentine now has complete faith in the biblical account of the scourge of locusts, for at times millions of these insects "cover the face of the earth." They come suddenly and without warning, in great clouds, and settle down on the country. Then the ground resembles a great moving carpet.

Dodged Seven Years' Bad Luck.

"Traffic gets held up in queer ways," said a patrolman at Forty-second street and Fifth avenue. "It was only just the other day that we had a blockade that tied things up for half an hour. I noticed a young woman pounding something against the curb. Looked funny to me and I couldn't figure out what it was.

"What's all this about?" I asked. "Oh, mister officer," she says, "I broke a mirror a while ago, and if I don't break seven more right quick I'll have seven years' bad luck. By rights they should be broken all at once, but I could only do one at a time. And now, please, won't you help me get out of the crowd?"—From a New York Letter to the Pittsburgh Dispatch.

Improving Indian Pottery.

The Hopi Indians of the Southwest have always been famous for their pottery, in the manufacture of which (though unacquainted with the potter's wheel) they were skilled even in prehistoric times.

There is a considerable market for their pots, which are quaintly and attractively decorated in black and colors. The United States bureau of standards is trying to help them by suggesting improved processes, and recently it has shown them how to make from cheap material a black stain much superior to the one at present used by the Indians.

Fire-Proofing Cotton.

A process has been devised for treating baled cotton with a chemical compound which renders it flame and spark proof and at the same time apparently provides an inch or two of cotton in condition to aid in rapid drying without deterioration in case bale is exposed to weather.

ALMOST LOST BIG DISCOVERY

Predatory Bird Carried Off Pod Containing Precious Seed That Produced Burbank Potatoes.

Luther Burbank recently told Colorado potato men a story of his discovery of the world-famous Burbank potato, which has only recently come to light. While Burbank was experimenting with potatoes about twenty years ago he noticed in his patch one plant which held one particularly promising pod of seeds.

Every morning Burbank would go to the patch to see how the pod was faring, and often during each day he would look at the plant to discover the time when the pod could be picked.

"I think a bird must have picked it off and tried to carry it away," Mr. Burbank told the Colorado potato men. "Anyhow, there it lay, and I picked it up and planted the seeds, and that's how we have Burbank potatoes today."

HAD NO ANSWER TO THAT

Georgia Man's Assertion Concerning Watermelons Left Upholder of Indiana Product Gasping.

Harry Grimsley, a Terre Haute Rotary club man, comes from Georgia and is still in love with his native state. He boasts of its wonders, and the last time he discoursed on it, was telling of the wonderful bargains he got in watermelons.

"But they aren't so big as the ones we have up here," persisted one of his listeners. "Why, out on my farm we had some half as big around as half the top of this table. We didn't eat any of it except the core, and yet the whole family had enough of it and more."

"Down there," drawled Mr. Grimsley in his most southern drawl, "we never eat nearer than two feet of the rind of the melon and yet there's always more than enough for a family in one melon."—Indianapolis News.

Sacred Mohammedan Rock.

A report on the Dome of the Rock of Jerusalem is shortly to be published and will be of great interest to the Mohammedan world. It may not be generally known that this place is the third in sanctity of all the sanctuaries of Islam, and indeed for a short period it actually formed the Kibla toward which all Moslems prostrated themselves in prayer.

Among the more important religious associations of this rock we may mention it was here that David and Solomon were called to repentance, and on account of a vision David chose this site for his temple. From this same spot Mohammed ascended to the seventh heaven after his night journey from Mecca, and lastly it is to be the scene of the Great Judgment. The historical associations are not less striking and such famous names as Omar Abdel-Malek, Saladin and Suleiman are all connected with the rock.

Self-Luminous Animals.

Not less than 36 different orders of animals are self-luminous, we are told by the new work of E. Newton Harvey on "The Nature of Animal Light." These include many forms of protozoa, hydroids, jellyfish, bryozoa, polychaete and oligochaete worms, brittle stars, crustacea, myriopods, insects, mollusks, primitive chordates and fishes. None of the luminous species inhabit fresh water, all being terrestrial or marine.

Recovered Coin After Fifty Years.

Fifty years ago when the foundations were being laid for the Washington statue in front of Independence hall, in Philadelphia, John Nash, then a policeman, threw a 2-cent piece into the hole being dug for the foundations. Recently when some changes were being made to the statue, Nash recalled the incident and stirred up the dirt and uncovered the coin. It will be hung in Independence hall. Incidentally, Mr. Nash recalled that 2 cents had a buying capacity at that time treble that of today.

Smoke Injures Galvanized Iron.

Galvanized iron has been found by a German chemist to be unsuitable for roofing much exposed to smoke. Sulphur dioxide, though having little effect when dry, causes rapid deterioration in presence of moisture, and a mixture of sulphur and carbon dioxide is very corrosive, though moist carbon dioxide alone has slight action. The microscope shows in the corroded galvanized iron minute cavities of sulphate containing ferric oxide, due to galvanic action or actual solution of the zinc coating.

PURSUED BY GHOSTLY SHIP

Tradition of Modern Flying Dutchman That Massachusetts Fishermen Firmly Believe In.

The burial of John Winters, recalled to old-time fishermen a tradition of a modern Flying Dutchman with its ghostly crew that was believed to roam the seas in pursuit of a ship that had sent them to the bottom, relates a correspondent from Gloucester. Winters was the last survivor of the crew of the Gloucester schooner, Charles Haskell, which in a storm in March, 1869, ran down and sank a Salem schooner and its entire crew on Georges fishing banks.

Once off Eastern point, at the entrance of Gloucester harbor, Winters said, a schooner ran down the wind, hove alongside the Haskell, and its phantom crew climbed the rigging, declaring themselves the ghosts of the Salem fishermen.

Winters and others of the Haskell's crew refused to fish in the ship again and a new crew was taken on. These returned with a similar story of ghostly visitations at sea, took their dunnage bags and quit. Another and still a fourth crew were shipped, but each came to port with a renewal of the story of a ship shrouded in white and a specter crew, and the Haskell was hauled up, unable to get men. It finished its seagoing as a sand freighter, and the Salem ship was not heard of again.

URUGUAY RICH IN AMETHYSTS

Gems Found in "Goedes," Which Is Nature's Way of Storing Precious Stones for Posterity.

The northwestern part of Uruguay is a newly discovered field for the production of amethysts, which occur in "goedes." The goedes, so plentiful that they are picked up in the fields, are carried on mule-back or in carts to the nearest railway station and shipped in barrels to Salto, whence they are transported by river boat to Montevideo.

Naturally, it will be asked, What is a goede? Originally, it was a hole in rock. Water percolating through the rock deposited silica, making a lining for the cavity. The lining grew thicker and thicker, and after a long time, if the rock were broken or "weathered" to pieces, a hard nodule would drop out. The nodule is a goede; and if, as sometimes happens, the silica has formed crystals inside of it, colored by metallic salts, the goede is a little jewel box containing amethysts.

A beautiful statuette, eight inches high, of a woman dancing, has recently been placed in the Morgan Gem hall of the American Museum of Natural History, in New York city. It is carved out of a perfect block of translucent sapphire (blue quartz) from Uruguay.

Climate and Agriculture.

The surprising idea that an arid climate is the most favorable for agriculture is explained by a report on the Columbia Basin Irrigation Project in the state of Washington. In such a climate plant growth is stimulated by almost continuous sunshine, there is no night chilling of the soil following cloudy days, and crops are harvested promptly without spoilage by rain, the products being greatly improved and the harvesting cost lessened. The chief advantage of all, however, is control of the water, which by artificial irrigation can be supplied at the best time and in the quantities needed by the crops.

A Mastered Fear.

Government officers in India compile queer statistics. For example, they have recently reported that in 1919 the persons who came to their death by snake bite numbered 20,273, and that, in the same 12 months, 58,416 snakes were killed. Further, there is the record of 1,162 deaths by tigers, 469 by leopards, 294 by wolves, 201 by wild boars, 185 by crocodiles, 118 by bears, 60 by elephants and 33 by hyenas. Whatever may be the fear of wild animals among human beings it does not seem ever to have deterred settlement in new lands or persuaded people against living, as they have in India for centuries, as the neighbors of poisonous serpents and ravishing animals.—Toledo Blade.

Good Reason.

Grandmother had been talking to four-year-old Mary Ellen about becoming angry so easily. After the little girl had listened a few minutes she thought it time to tell of some of her good qualities, so she said: "Yesterday my dolly got stepped on and broken and I didn't cry a bit or scold anybody."

"That was fine," approved grandmother very much pleased. A little later she happened to remember the incident and turned to Mary Ellen: "Who stepped on your dolly yesterday?" she asked. And back came the enlightening answer: "Why, I did, grandma."—Exchange.

Advertisement for Yeager's Shoe Store. Features 200 Pairs Children's Shoes for \$2.98. Includes text: 'On sale NOW at Yeager's Shoe Store', 'They are Real Bargains', and 'Yeager's Shoe Store THE SHOE STORE FOR THE POOR MAN'.

Advertisement for Lyon & Co. Features 'Spring Styles' and 'Handsome Spring Coats and Suits'. Includes text: 'Come to the "Watchman" office for High Class Job work.', 'We have just opened the largest line of Spring and Summer Dress Goods in Cotton, Wool and Silk.', and 'Sweeping Clearance Sale All Winter Coats and Suits at less than cost'.