

THE FIRST BALLOON.

Result of the Experiments of the Montgolfier Brothers.

Proceeding on the principle that heated air expands and so becomes lighter, bulk for bulk, than air at the ordinary temperature, the brothers Stephen and Joseph Montgolfier filled a paper bag with heated air, which rose to the ceiling of the room. This preliminary success was rapidly followed up, and they gradually increased the size of the balloons experimented with until they were so satisfied with their progress that in 1783 they gave a public exhibition, sending up a linen balloon 105 feet in circumference, which was inflated over a fire supplied with small bundles of chopped straw. The balloon succeeded beyond their utmost expectation, and after rising to a height of over 6,000 feet it descended ten minutes after in a field a mile and a half away. The next balloon carried a car, in which were a sheep, a cock and a duck.

The success of this further experiment induced M. Pilatre de Rozier and the Marquis d'Arlandes to risk their lives by making the first ascent in the new and wonderful machine. Their balloon, which was forty-five feet in diameter and seventy-five feet high and was inflated with hot air, passed over Paris to the great astonishment of the people, attaining an altitude of half a mile. Ballast was then for the first time employed in regulating the ascending power of the balloon. The first venture was followed by others, and De Rozier, the first to ascend, was also the first to meet his death in this manner, having been killed, with a companion, by the burning of his balloon near Boulogne.

BACKBONE.

The Self Reliant Man is the One Who is in Demand.

Haven't you depended upon clothes, upon appearances, upon introductions, upon recommendations about long enough? Haven't you leaned about long enough on other things? Isn't it about time for you to call a halt, to tear off all masks, to discard everything you have been leaning on outside of yourself, and depend upon your own worth?

Haven't you been in doubt about yourself long enough? Haven't you had enough unfortunate experiences depending upon superficial, artificial, outside things to drive you home to the real power in yourself? Aren't you tired of leaning and borrowing and depending upon this thing and that thing which have failed you?

The man who learns to seek power within himself, who learns to rely upon himself, is never disappointed, but he always will be disappointed when he depends upon any outside help. There is one person in the world that will never fail you if you depend upon him and are honest with him, and that is yourself. It is the self-reliant man that is in demand everywhere.—O. S. Marden in Success Magazine.

Tobacco Smoke.

The composition of tobacco smoke is complex. Analysis gives nicotine, pyridic bases, formic aldehyde, ammonia, methylamine, pyrrol, sulphuretted hydrogen, prussic acid, butyric acid, carbonic acid, oxide of carbon, the steam of water, an etherized empyreumatic oil, and tarry or resinous products, among which we detect small quantities of phenol. Of all the products of tobacco the most venomous are nicotine, pyridic and methylamine bases, prussic acid, sulphuretted hydrogen, oxide of carbon and empyreumatic oil, and all that we draw into our lungs with more or less satisfaction.—Harper's Weekly.

Under the Rose.

The expression "under the rose," or sub rosa, to indicate secrecy, originates in the Greek mythological story that Cupid gave Harpocrates, the god of silence, a golden rose, desiring him at the same time not to betray the amour of Venus. According to another account, the traitors against the Greek states during the invasion of Xerxes held their meetings in an Athenian arbor formed of rose bushes. At Greek and Roman banquets the guests were always crowned with roses, and a cluster of these hung above the banquet table was a sign that what was said in that place should not be repeated elsewhere.

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THE REGISTRAR,

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HOW WEASELS HUNT.

The Graceful Pose of the Animals When on the Trail.

The lithe grace of the weasel may be observed whenever it is on the trail. At an even speed, with nose to the ground, its reddish brown back seems literally to glide along through the rank herbage by the bank.

It may be the scent of a rat, and the trail may take it in and out of the bank a good many times before it comes up with its victim. It may even have to swim a stream before its persistence is rewarded. It is wonderful how small a hole that long, arched body can glide into and emerge from without the slightest difficulty.

When it has caught and killed its prey its movements are equally graceful as it carries the spoil home to its hole. Crossing a Kentish field I saw a weasel coming along under the hedge-row red toothed from the chase. There was the same sinuous motion of the back, but the little beast's head was held as high as possible and from its mouth hung the limp carcass of a young rat, freshly killed. The weasel held it by the neck and so high, for all the shortness of its legs, that only the end of the rat's tail dragged through the grass.

A family of weasels will often hunt in company, and this is naturally a most interesting sight to witness. The ability of the weasel to enter exceedingly small holes is owing entirely to the structure of its body—its flat head, long neck and short limbs and tail. In a cornrick it can pursue mice with ease along their burrows.—London Mail.

GAME DOGS AND GAME.

A Remarkable Instance of the Influence of Heredity.

The setter ate the mutton chop greedily, but he would have none of the partridge bones.

"A good game dog," said his master, "can't eat game. Its taste is repugnant to him. This is a remarkable instance of the influence of heredity."

"Game dogs have been trained for many generations not to eat the game—the birds and rabbits and what not—which they bring back to their masters in their mouths. They have been trained to consider that the eating of such game would be a disgrace and an unpardonable sin, the same as bank clerks have been trained to consider that the pocketing of a few dollars from the millions they annually handle would be a disgrace and a sin."

"And the result in the game dogs' case has been that this moral abhorrence of game, suggested to them by their masters, has been transmitted in its passage down from one generation to another, into an actual physical abhorrence. In the matter of game, thanks to heredity, game dogs now are never tempted. They can't sin."

"It would be a good thing for policy holders if, in the same way, man's moral disinclination to steal had been changed by heredity to an actual physical aversion of other people's money."

A Proud Man.

"Did you see that proud man going out just now?" asked the cashier. "Proud as Lucifer. Know what he did? Found that I had made a mistake in his favor and handed me back the change. Now, I wonder why it is that people are so proud when they have discovered that they are honest. I could rake in a lot of extra coin if I availed myself of the mistakes that are made here every hour of the day, but I don't on general principles, because I am naturally honest. It's nothing to be proud of."—New York Sun.

Where Taxes Are Unknown.

Orsa, in Sweden, has in the course of a generation sold \$5,750,000 worth of trees and by means of judicious replanting has provided for a similar income every thirty or forty years. In consequence of the development of this commercial wealth there are no taxes. Railways and telephones are free and so are the schoolhouses, teaching and many other things.

Unreasonable Freddy.

Tommy—Ma, Freddy's crying 'cause I'm eating my cake and won't give him any. Mother—Is his own cake finished? Tommy—Yes, ma; and he cried when I was eating that too.

A Traveler's Tip.

A guide is too often a man who tells you what you do not want to know in a language you do not understand.—New Orleans Times-Democrat.

Where life is more terrible than death it is then the truest valor to dare to live.—Browne.

Faubles Great Clothing House.

HOW ABOUT YOUR SUIT FOR THE 4th?

Enough Boys' and Men's SUITS among the reduced ones to please you all. The saving will leave you a nice big roll for Fire Crackers.

FAUBLE'S

PIANO EXPERIMENTS.

Playing by Sweeping the Strings With a Feather.

Open wide your piano so that the wires are exposed. Over the wires place sheets of music, and when you strike a tone you will find that it has a rattling sound. If now you play a tune in the same manner, with the sheets of music still lying on the strings, it will sound as if the instrument were a banjo. Anyhow, it is a good imitation.

Now remove the music sheets and press down gently, but firmly, the keys belonging to any cord. Take the simple cord C, E, G, for example. The keys must be pressed down without sounding them and held down while some one gently brushes the strings with a feather or a straw. The effect will be as if the cord were played far away and is heard by you as very soft tones.

Change the cord, always pressing down the keys without sounding them, while the feather still sweeps the strings lightly. In this way you may modulate or play a slow piece, and the effect will be very beautiful, indeed, as if heard from a great distance.

The reason of this is that ordinarily a damper rests against each string, but when the corresponding key is struck or pressed down the damper is raised. In sweeping the strings with the feather, lightly, only the strings that are undamped sound, the others being held mute by the dampers, but if the touch of the feather is too heavy even the other strings may sound, so your care must be in making a light and delicate touch.

Now press down a key gently and hold it. Strike very hard the octave above this key, but do not hold it after striking the tone. When the wire of the tone struck has been sufficiently damped, so that it does not sound so loud, the pressed down key will be heard to "sing" clearly, even though it was not struck. This is because every note struck is composed of several notes, being in reality a cord in itself, and each note contained in that cord causes the corresponding note in the keyboard to vibrate, or "sing," in sympathy if held down in like manner.

The other notes that will sound under these conditions will always be the fifth above the octave, the second octave and the third and fifth above that, and these tones that sound are called "overtones."

For illustration, if C in the lower part of the piano be struck, any or all of the notes that follow will sound if their keys are first pressed and held down.—Philadelphia Press.

The Osprey.

Allusion is often made, especially in fashion journals, to "osprey" feathers. Few words have been more loosely bandied about than this bird name. The Roman author Pliny's "ossifraga" (bone breaker) has been identified with the lammergeyer, a vulture that is reputed to break up bones too big for it to devour whole by dropping them from a height upon rocks. But both "ossifraga" and "osprey," a newer form, came to be applied to quite another bird, the fish hawk, which is now the true "osprey." Yet the "osprey" feathers—more properly egret feathers, or egrettes—do not come from this bird, but from the egret, or lesser white heron.

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Travelers Guide.

CENTRAL RAILROAD OF PENNA.

Condensed Time Table effective Nov. 6, 1905.

Table with columns: READ DOWN, Stations, READ UP. Lists routes and times for various stations including Bellefonte, Lewisburg, and Harrisburg.

Table with columns: (N. Y. Central & Hudson River R. R.), Stations, Times. Lists routes and times for Jersey Shore, Wm's Port, and Philadelphia.

BELLEFONTE CENTRAL RAILROAD.

Schedule to take effect Monday, May 29, 1906.

Table with columns: WESTWARD read down, STATIONS, EASTWARD read up. Lists routes and times for Bellefonte, Lewisburg, and Harrisburg.

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J. C. MEYER—Attorney-at-Law Rooms 428 & 21, Crider's Exchange Bellefonte, Pa. 49-48

N. B. SPANGLER—Attorney-at-Law. Practice in all the courts. Consultation in English and German. Office in the Eagle building Bellefonte, Pa.

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