

## SCIENTIFIC MISCELLANY.

The Flash in Perseus—New Alloys—  
Hidden Lands for Explorers—Insect  
Eating Plants—Plague Among the  
Palms—Elephant Origin—An Un-  
used Material—New Light on Drown-  
—A Timed Flashlight—A Light-  
Weight Boiler.

The nebula that seems to be spreading from the new star in Perseus not only changes at a perceptible rate but has bright spots on its outer edge that appear to have passed over a minute of arc in six weeks, implying the tremendous velocity of 2,000 miles per second if the nebula is assumed to be at the distance of the nearest known star. It is suggested as more probable that the new star and its nebula are nearer, or that a flash of light may have been sent through the comparatively dark gas without actual motion of the gas itself. The greatest apparent motion of a star in space is 38 seconds of arc in a year, which is that of a small star in the southern hemisphere. The famous Groombridge 1830, with a proper motion of 7 seconds a year, taking it across a space equal to the diameter of the moon in 250 years, has a parallax of about 14-100 of a second; and is calculated to travel at a speed of 200 miles a second. The projectile of a modern cannon has a maximum velocity of a little more than 1/2 mile per second.

Nickel and aluminum have been difficult to alloy on account of the difference between their melting points, which are 1450 and 660 degrees respectively. A Berlin manufacturer has overcome the difficulty by a special furnace, and in one case by adding copper with an intermediate melting point. "Nickel-aluminum" contains nickel and copper, with aluminum in greatest proportion, the specific gravity being 2.86. It can be rolled into sheets and has a tensile strength of 16 1/2 tons per square inch. "Minckin" seems to contain more nickel than the 26 per cent of "new silver" and is gaining favor for its resistance to corrosion by weak acids, etc.

About one-fifth of the earth's land surface was known in 1800, states G. H. Grosvenor, and in 1900 only one eleventh was unexplored. The "Dark Continent" of the twentieth century is the land buried under the oceans, an area three as great as the exposed land surface.

The areca-nut, or betel-nut, is the fruit of an East Indian palm. It is chewed in great quantities by the Asiatics, who regard it as an aid to digestion and in pharmacy it is used as a vermicide. The present scarcity of the nuts seems to be due to a mysterious plague that has swept the plantations of Lower Bengal. Beneath groves of thousands of trees have become vegetable cemeteries in a few months and no parasites or other adequate cause can be discovered. The only explanation offered by Dr. George Watt, after investigation, is "degeneration of tissue," to be remedied by care in cultivation.

A mastodon-like animal from the Eocene of the Luyan Desert is regarded by Dr. Andrews as the probable ancestor of the mammoth and elephant.

Tea-seed, a by-product of an important industry, is awaiting profitable use. It was placed upon the market in London in 1885, under the name of tannin, but nobody knew what to do with it and there was no sale. An agent of the Indian Tea Association has a report upon the oil and cake. Tea seed oil is clear, light and yellow, with a more or less acid taste and is unsafe as an edible oil on account of its saponin. Tea seed oil cake is by the same constituent made dangerous food for cattle, while as a manure it is much inferior to other oil seed cakes. It is suggested that the oil might prove useful as lamp oil, and that the cake might serve as an insecticide.

The idea that drowning persons take much water into the lungs has seemed to be unquestioned. But it has been long opposed by Prof. W. K. Whitford, who in forty years has successfully treated many patients apparently dead from drowning, and who now asserts as the result of many examinations that practically no water enters the lungs. The mistaken view has caused the waste of much valuable time. He has found heat—energetically and persistently applied—to be the most important agent in resuscitation and with this, aided by artificial respiration and stimulation, he has restored patients that have been submerged an hour.

The advantage of a photographic flashlight that can be timed is claimed for a new cartridge made at Offenbach, Germany, and consisting of a small celluloid powder and provided small celluloid capsule filled with combustible powder and provided with a fuse. The flash varies with the size of the cartridge. Analysis shows that the powder which burns quietly and with little smoke, contains 12 per cent of aluminum, 13 1/2 of magnesium, 12 of red phosphorus and 73 of strontium nitrate.

Ether, converted into vapor much more readily than water, is stated to have failed in engines from the lack of a suitable generator. M. Malapert

## Kodol Dyspepsia Cure

Digests what you eat.

This preparation contains all of the digestants and digests all kinds of food. It gives instant relief and never fails to cure. It allows you to eat all the food you want. The most sensitive stomachs can take it. By its use many thousands of dyspeptics have been cured after everything else failed. It prevents formation of gas on the stomach, relieving all distress after eating. Dieting unnecessary. Pleasant to take.

It can't help but do you good  
Prepared only by E. C. DeWitt & Co., Chicago  
The 5¢ bottle contains 10 times the 10¢ size.

## "PK S" Carminative

My Baby's Life

LAFAR & RANKIN DRUG CO.

Do not recommend Pitts' Carminative too strongly. I must say, I owe my baby's life to it.

I earnestly ask all mothers who have sickly or delicate children just to try one bottle and see what the result will be. Respectfully,

Mrs. LIZZIE MURRAY,

Johnson's Station, Ga.

Pitts' Carminative

Is sold by all Druggists.

Price, 25 CENTS.

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## GOVERNOR'S APPOINTMENTS.

Many Notaries Public Have Been  
Given Commissions.

It looks as if nearly everybody you meet is either a notary public, has been a notary public, or wants to be a notary public. These days are chiefly of this class although one of another character is occasionally recorded.

The following appointments have been made during the past week, and their commissions forwarded by the secretary of state:

William C. Monroe, of Pensacola, to be notary public for the State at large. Daniel Pippin, of Westville, to be fish and game warden for Holmes county.

Charles C. Martin, of Jennings, Lake county, to be notary public for the State at large.

J. M. Phipps, of Key West, notary public in and for Monroe county.

D. W. Yarbrough, of Pensacola, to be inspector of timber, lumber and logs in Escambia county.

Alexander W. Turner, of Coe Mills, Liberty county, county treasurer to fill the unexpired term of Newton W. Walden.

Alexander C. Roesch, of Braidenton, to be tax collector of Manatee county, to fill the unexpired term of C. E. McNeill.

Commissions have been sent to the following gentlemen who have been appointed to positions of notary public for the state at large: R. W. Ferguson, Ocala; J. Frederick Cannon, Jacksonville; R. C. Pinder, Key West; C. T. Merritt, Buena Vista; W. P. Woodworth, Diston City.

Florence, S. C. Nov. 26, 1900.

I was first advised by our family physician in Charleston to use TEETH-INA with our baby when she was but a very young infant, as a preventive of colic and to warm and sweeten the stomach. Later it was useful in teething troubles, and its effect has been found to be very beneficial and so free from the dangers that are consequent upon the use of drugs and soothing syrups, that we have come to regard it, after use with our children, as one of the necessities when there is a new baby in the house and until the teething troubles are over, and we take pleasure in recommending it to our friends instead of the horrid stuff that so many people use to keep their babies quiet.

HARTWELL M. AYER.  
(Mfr. Daily Times and Weekly Times-Messenger.)

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## FOOD FOR RABBITS.

The diversity of opinion that exists among fanciers as to the feeding and treatment of their pets is very pronounced, says the Poultry Monthly. One of the subjects on which rabbit breeders are wont to be greatly at variance is that of green food. The large majority of the breeds find that green stuff is essential to the health and well being of their animals. Dwellers in the country have an advantage over their town brethren in that they can procure a great variety of green food during the spring and summer; chickory, dandelion, hedge, parsley, sow thistle, grass and clover, radish tops, blackberry leaves, turnip tops, fresh pea pods, cabbage and lettuce leaves are easily procured. In towns cabbage, lettuce and dandelion have to be looked to as the chief vegetables.

Chickory, though not often used, is most valuable and beneficial. It is eaten readily by the animals and keeps them in good condition, never giving them the scours. Cabbage is particularly useful at a time of year when other green food is not to be had. Lettuce is particularly useful for breeding does, although of so watery a nature that it should not be given in large quantities of in wet seasons. Dandelion is another valuable green food. It has a powerful effect on the kidneys, so should not be given for a lengthy period at a time. Hedge parsley is largely used in the country. It must not be mistaken for hemlock, which is somewhat like it and very poisonous.

Wood has been very scarce in Tallahassee this winter. But the experience will not be sufficient to induce the people to lay in a supply during the summer season.

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## TEN NIGHTS IN A BAR-ROOM.

"No; I believe he means to turn it into some kind of a factory—and, I rather think, will connect therewith a distillery. This is a fine grain-growing country, as you know. If he does set up a distillery, he'll make a fine thing of it. Grain has been too long in this section for some years; thus all the farmers have felt, and they are very much pleased at the idea. It will help them wonderfully. I always thought my mill a great thing for the farmers; but what I did for them was a mere song compared to the advantage of an extensive distillery."

"Judge Hammond is one of your richest men?"

"Yes—the richest in the county. And what is more, he's a shrewd, far-seeing man, and knows how to multiply his riches."

"How is his son Willy coming on?"

"Oh! first rate."

The landlord's eyes fell under the searching look I bent upon him.

"How old is he now?"

"Just twenty."

"A critical age," I remarked.

"So people say; but I didn't find it so," answered Slade, a little distantly.

"The impulses within and the temptations without are the measure of its dangers. At his age, you were, no doubt, daily employed at hand work."

"I was, and no mistake."

"Thousands and hundreds of thousands are indebted to useful work, occupying many hours through each day, and leaving them with wearied bodies at night, for their safe passage from yielding youth to firm, resisting manhood. It might not be with you as it is now, had leisure and freedom to go in and out when you pleased, been deferred at the age of nineteen."

"I can't tell as to that," said the landlord, shrugging his shoulders. "But I don't know that Willy Hammond is in any especial danger. He is a young man with many admirable qualities—social—liberal—generous almost to a fault—but has good common sense, and wit enough, I take it, to keep out of harm's way."

A man passing the house at the moment, gave Simon Slade an opportunity to break off a conversation that was not, I could see, altogether agreeable. As he left me, I arose and stepped into the bar-room. Frank, the landlord's son, was behind the bar. He had grown considerably during the year—and from a rather delicate, innocent-looking boy, to a stout, bold lad. His face was rounder, and had a gross, sensual expression, that showed itself particularly about the mouth. The man Green was standing beside the bar talking to him, and I noticed that Frank laughed heartily at some low, half obscene remarks that he was making. In the midst of these, Flora, the sister of Frank, a really beautiful girl, came in to get something from the bar. Green spoke to her familiarly, and she answered him with a perceptibly heightened color.

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