THE COLOR OF BIRDS.

low it May Be Affected by the Use of

Dr. Sauermann, whose high reputation among the physological societies of the world gives great weight to his conclusions, has lately made a series of investigations into the effect that cayenne pepper has upon birds, fowls, eons, and other species of the feathsred family. These investigations were andertaken in connection with the observed fact that canaries fed with cayune pepper acquired a ruddy plumage. This diet was found only to produce the ffect stated upon young birds when fiven to them before they moulted. The alor of the feathers of the old birds as not affected at all, although a conerable amount of the pepper was ren at different times, extending or an interval of several weeks. sture was found to facilitate the inge of color to a ruddy hue, which as again discharged under the influice of sunlight or of a cold, dry atephere. The whole of the pepper is it required to produce the change, a rtion of it being quite inactive, as example the piperin and several extives; similarly the red coloring tter alone had no effect on the color the feathers. It is rather the triowhich occurs in the pepper in re quantities, together with the racteristic pigment, which brings ly growing. ut the change of color by holding red pigment of the pepper in solu-./ Glycerine may be used instead bring about the same re-

tement holds good with eeding of birds with anise red pigment of the tored up in the egg yelk . can be observed as a colored eding with the pigment dissolved Continuing this diet for fortyhours will result in the coloring entire yelk. As these experihave proved so instructive and sting they are to be continued rhout the present season, when alts will be embodied in a report the Berlin Physiological Society .-

NCENSE IN CHURCHES.

y Have Smelled It, But Few Know Where It Comes From

w know what is really used to prothe clouds of fragrant smoke as incense in churches. Indeed, orance extends even to those it. There is an amusing story. joint, told of some of the Cathorgy, not much more than half a ry ago, when their church acquirfreedom. They wished to give more solemnity to the church ce and to revive what they had not practice in penal days. They old censer, but were at a loss get for incense and finally fell n the rosin filling of a plated Bestick.

e odoriferous gum that goes by the me of incense or gum olibanum, is a sinous gum produced by the Boswelia rrate or thrifera, a tall tree growing a the mountainous parts of India and clonging to the Terebinth family. The leaves, which grow at the end of the branches, are in ten pairs, oblong, alternate, pubescent. The flowers are small d gre - and in clusters smaller than Each flower has five petals stamens. The seed-case is

ded and has three divisions, containing three seeds. The resinfield that exudes from the trunk and hardens rapidly is the incense. It forms in hard, semi-transparent, reddish or yellowish drops, about the size of a pea. Incisions are made in the trunk to increase the flow. An inferior inconse comes from Africa, produced also by a tree of the same family.

Incense was highly esteemed in anclent times, and was used in the worof many countries. The thus, or Hebrews and Greeks was 4 Arabia. Some ascribe cense among the primitive the necessity of purifying he catacombs and other subplaces where they were worship.-St Louis Globe bor.

stup. English Superstition.

*85.

The following instance of a curious lief held by country lolk may intert some of your readers. An old man this parish (in East Kent), who is in full possession of his faculties, and, moreover, has a considerable stock of knowledge of things connected with the form and garden, informed me the other day of the following remarkable t (!) in natural history. He told me, a seriously, that if a hair be taken ig summer from the tail of a horse slaced by a ronning stream, it og become a "water ng become a "water he "breed of the the hair becomes ew creature! This

d tried, and though.

d not seen these hairs

urity, he had undoubt-

veloped in them. I

ee sure my bid riend thoroughly beleved all this-he is too old to have studied biology at a board school or he might be wiser. Perhaps this bel ef is held elsewhere, but I do not remember ever meeting with it before. - 5,-

-Out in Nevada electricity runs the very deep mines and has increased production 25 per cent. The men who work \$,100 feet deep live about two years, notwithstanding the fact that they work only two hours per day. They get more pay than the eight-hour men. They work fifteen minutes and rest forty-five.

RELIGIOUS AND EDUCATIONAL

-The 30,000 Christian nations of the Friendly Islands give \$15,000 a year for religious objects.

-Hawaii, one of the Sandwich islands, is said to have a Christian congregation of 4,500 members.

-On the diffusion of education among the people rests the preservation and perpetuation of our free institutions.

-Father O Connor, the converted priest, is said to have led 800 Catholics into Protestantism in five years in New York City.

-In the city of Omnha, Neb., there are over twenty Societies of Christian Endeavor, and the number is constant-

-The latest educational report issued in Russia shows that only about one-tenth of the children in the Empire attend school.

A new Illinois law provides that no person who can not read and write the English language shall be eligible for the office of school-director.

-The American Baptist Education the feathers. The first Society is now an incorporated body of this colored pigment in under the laws of the State of New York. The charter was drawn by Dr. our days after the commencement H. L. Morehouse and Secretary Gates.

-The Buddhists have established a missionary magazine in Kyoto. It is published in English, and its object is to recommend Buddhism to all the world for adoption in the place of Christianity.

-It is calculated that out of 3,000,000 converts in all the foreign mission fields, \$0,000 have gone as missionaries, being one out of every hundred, while Protestant Christendom has sent forth but one out of every 500.

-Religious jealousy in India between Hindoos and Mohammedans is said to be fit to involve the entire country in war the moment the British authority should be withdrawn. Lately a Mussulman procession to celebrate a convert was attacked with great fury, and some fatalities was the result.

-In regard to popular education in France statistics show that the competition between municipal or secular and Catholic or monastic schools has had the effect of sensibly increasing the aggregate attendance. In 1882 there were 5.341,000 children at the elementary of the company's office. Second and Pine streets, and tition between municipal or secular were 5,341,000 children at the elementary schools. In 1887 there were 5,526,-000. The private lay schools, however, have 48,000 pupils less than in 1882. while the private Catholic schools have 143,000 pupils more.

-According to recent statistics there are in Cuba 720 public and 537 private schools, with an average attendance of 40,352 children of both sexes. The annual cost of maintaining the public schools is \$560.226, which amount is furnished by the 185 municipalities on the island. The proportion of schools to inhabitants is one to every 1,205 and one child attends school for every thirty-eight inhabitants.

WIT AND WISDOM

-Were every one to sweep before his own house, every street would be clean. -Man, with all his wisdom, pever knows who is his best friend as well as a baby.

-He who puts a bad construction on a good act, reveals his owr wickedness

-The multitude is like the sea-it either bears you up or swallows you,

according to the wind. -As the mind must govern the hands, so in every society the man of intelligence must direct the man of la-

-It is not possible to make a silk purse from the ear of a swine. Take a heg from a pen to a mansion and he will still be a hog. -N. O. Picayune.

-If a man does not make new acquaintances as he advances in life, he will soon find himself alone. A man should keep his friendship in constant repair. - Johnson.

-Implicit trust in the ultimate integrity of human nature is all very well in a prayer-meeting, but it won't work for a cent in an ordinary grocery store. Somerville Journal.

-The man who lives mainly within the limits of his physical senses certainly lives on a small scale, and at a low level, as compared with his possibilities. - N. Y. Independent.

-Our service in life should not be constrained, yet it is necessary sometimes that we compel ourselves to do our duty. When the flesh is weak, the spirit must drive it to its place and performances - United Presbyterian.

-When fire bricks become cracked they may be mended with a cement formed of equal parts of salt and soapstone powder (which is bought of any druggist). Mix these ingredients with water to a thick paste, and apply. To remove clinkers from fire brick, put an oyster shell or two on a clear, bright fire, and the bricks will be bright and

"Kitchen," in the Scotch use of the word, means any thing eaten with an article of food to give it a relish, such as butter with bread, or milk with potatoes, or cheese with crackers. A Scotchman once saked a poor Irish neighbor what food he gave to his children. "Potatoes" answered Pat. "Aye; but what kitchens the potatoes?" said the Scot. 'Och!" replied the Irishman, when the meaning of the word was made clear, "they make the little praties kitchen the big ones."-Youth's Companion.

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1 O'Clock, p. m.

8:00 a.m	ly Portland (So.Pac.Co) ar	31:45 p.m
12:30 p.m	Silverton	12:10 a.m
2:48 p.m.	West Scio	10:00 a.m
3:45 p.tn		9:02 a.m
5:01 p.m	Brownsville	7:82 a.m
6:50 p.m	ar Coburglv	6:00 a.m

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