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## SCIENCE NOTES.

The foot pads of deaf cats are said to be much more sensitive than those of their fellows with hearing.

When Macquarrie Island, situated 600 miles to the south of New Zealand, was discovered in 1810, it was inhabited by a peculiar flightless parrot described by a contemporary who saw numbers of the birds which were brought to Sydney by sealers as "the glibbest of the loquacious tribe." Recent investigation of the island makes it almost certain that this strangely isolated specimen of the parrot family is completely extinct, probably as a result of the introduction of cats, which have become wild and overrun the island.

There are said to be 70 languages or dialects spoken in the ancient city of Tiflis, Asiatic Russia.

Of the 3,000 or more islands comprising the Philippines, only about 400 are inhabited.

The original canary birds were not yellow in color, but gray and green.

In Jamaica there are trees called the "whip trees," and from these the natives make strong whips with the lash and handle all in one.

Vomiting occurs only among flesh-eating animals, never among the vegetable eaters, says Prof. George W. Crile.


Minard's Liniment Cures Garget in Cows.


## MOHAMMEDANISM IN THE WAR.

(New York Sun)

The war has shattered many of the traditions and generally accepted beliefs regarding Mohammedanism and has wrought greater changes in Islam than in any other of the leading religions. It has not only shown the [illegible] of a holy war to be groundless but is has given a new meaning to the somewhat indefinite term the Mohammedan world, has led to the defeat of the largest Moslem government, restored political independence to the holy cities of Islam, and has brought the long continued dispute over the Caliphate to the point that there is now no universally recognized head of Islam, and for the first time no accredited temporal successor to Mohammed.

By the "Mohammedan world" was formerly meant that great body of Moslems, about 225,000,000 people, or one-seventh of the world population, a potential solidarity which owed allegiance above all to its religious head. Despite the fact that Great Britain was the ruler over the greatest number of Mohammedans, that Russia, France, Spain, Italy and the United States were the actual rulers of other large bodies, it was asserted that in Islam there was no nationality, and that the only unity was that based upon religion. The foundation of this relief was that Mohammedanism was from the beginning a unified religion, and that in all its history, despite schismatic movements, it has had one universally accepted prophet, one unquestioned book, the koran, one holy shrine, Mecca, one confession of faith, and one representative on earth of the prophet, the Caliph. It was this unquestioned unity for aggression and protection that all efforts at proselytism among the Moslems confronted and to which they laid their failures.

The war proved to the Christian world the incorrectness of this view. Scarcely had the declaration of hostilities been made than the Moslems of British, French and Russian territories declared their allegiance to their respective Governments. Djamel Pasha made a test of the sincerity of these declarations by atempting an invasion of Egypt, counting upon support from the Mohammedans of that country. They arose not only against him but they organized in defence of Egypt from all attacks of the Turks on the west by Senousi, whom Turkish agents had incited to war. Mohammedans from India and Africa fought with the British and French on the western front. The Arabs, who have been considered the most faithful defenders of Islam, arose against the Government of the Caliph at Constantinople, joined the British in the conquest of Ottoman territory and fought valiantly against the Turks to secure their own independence.

This alignment of the forces of Islam against Turkey was effected despite one of the most carefully prepared and shrewdly managed campaigns ever made to arouse the Moslem world. Peace conditions have disclosed the vigorous efforts which were made to secure support for the jihad declared at Saint Sophia, Constantinople, in the name of the Caliph. It, however, was received with little enthusiasm even within the Ottoman Empire; while protest came from India, Egypt, Morocco, Tripoli, in fact from every Mohammedan country, against the attempt to involve Islam in a religious war under any circumstances, and especially in support of Germany.

As the result of this attempt came the proclamation from Mecca to the Mohammedans of the world that the Sultan of Turkey could be no longer recognized as the Caliph. As the right of the Sultan to this honor had been long disputed the Mecca proclamation met a more or less sincere approval by the Moslem world outside of Turkey. Constantinople acquired the Caliphate when it was the seat of the Turkish Government in the height of its power; with the passing of the glory of Turkey and its present condition of humiliation there exists no longer any reason that Constantinople should remain the religious head of Islam. On the other hand it is doubtful if the Mohammedan factions will agree upon its transfer to Mecca. At the same time it is impossible that, in accordance with the laws of the church, it can be bestowed elsewhere in view of the fact that there is no powerful, independent Moslem Government.

The war has, in fact, disclosed the true strength of Mohammedanism and the problems which it must meet if it continues to hold its position as one of the great religions of the world. Dr. James L. Barton of the American Board of Foreign Missions in the Biblical Review says: "The dream of a great united Moslem rule, that should not only unite all Moslems but ultimately subject all not Mohammedans to its religious and temporal sway, is dissipated forever." What great binding principle can Islam substitute for this underlying ideal? And will the changes that have thus come open up, as Dr. Barton believes, all Mohammedan lands to the advance of Christianity?


## WELL SATISFIED WITH BABY'S OWN TABLETS

Mrs. Emile Malette, Montpelier, Que., writes:—"I have used Baby's Own Tablets for some time and am well satisfied with them. They are surely the best medicine I know of for little ones." What Mrs. Malette says thousands of other mothers say. Once they have used the Tablets for their children they would use nothing else. The Tablets are a mild but thorough laxative; are absolutely free from opiates, narcotics or other harmful drugs and may be given to the youngest baby with perfect safety and good results. They are sold by medicine dealers or by mail at 25 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.


## PRESIDENT WOODROW WILSON

Only a dominie, teaching a school,
Careful, methodical, working by rule,
Patient, industrious, forging ahead,
He steadily climbed as a student, 'tis said.
Such are the men that God chooses to bless;
"They come to the kingdom for times such as this."

No ancestral mottoes attached to his name;
Not hunting for greatness, or glory, or fame.
Great in humility, clear in each plan:
A man of the people, a God-fearing man.
Men honor such leaders, when honest and straight,
And God chose this man to be the first in the state.

He gathered around him the foremost of men,
With nations awaiting what comes from his pen.
With ear to the ground, tests the popular nerve,
And faithful in service, leads others to serve.
With sentences terse, nations answer his call,
While empires totter and autocrats fall.

No weapon is his but a clear brain and pen,
No gilded trappings for homage of men;
No glitter, no tinsel, no bluster, no sword,
Yet the world calmly waited the President's word.
The right was his might; eschewing display,
The President speaks for the people to-day.

This lesson we learn, that ambition don't pay;
Wealth and long pedigree stand in the way.
A splitter of rails, or a driver of mules.
Can make a world listen and follow his rules.
The earnest, the faithful, the God-fearing man
Is the one that God chooses to work out His plan.


## A Problem for the Editor

It has been asked whether stepping on a man's corns gives provocation for swearing. Answer: Keep the toes clear of corns by using Putnam's Corn Extractor. It's the best, 25c at all dealers.


### Scientific Brevities.

We are told by historians that the Persians under Cyrus had mail service in the sixth centry before Christ.

A good green dye for woolen materials can be made from the juice of the stalk and leaves of nettles.

The age of a fish may be determined by counting the lines in the scales, which are said to be of annual growth.

If examined under a glass a thread of a piece of khaki will be found to consist of a mixture of fine hairs, of bronze, light olive green, lavender and brown.

The armor of the motor cars used in the present war range three-sixteenths to a quarter of an inch in thickness and are impervious to rifle and machine gun fire.

The gas meters of the houses in New York city are now recorded by camera, which yields a permanent record of each of the regular readings.

A rich deposit of asphalt has been discovered in the Philippines located so near the water edge that no inland transportation whatever is necessary.


Minard's Liniment Cures Colds, Etc.

MOTHERS!

Watch your children's skins. As soon as you see the slightest trace of a rash or sore, apply Zam-Buk. This antiseptic balm will protect the sore place from infection, prevent it from spreading and healing soon follows.

Careful mothers always keep Zam-Buk on hand for their children's injuries—it ends pain so quickly and prevents any possibility of festering. Best for cuts, burns, scalds, bruises, ringworm, scalp sores, eczema and teething rash. All dealers 50c box.

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Positive Definite Knowledge—of its Matchless Quality and Value has been the forceful power that has created a sale of 25 million packets Annually.—

"SALADA"

TRY IT - a Tea-Pot Test is better than a Volume of Arguments. 8549


## EAGLES AND HAWKS.

### Something About Those Found in America.

What do you know about the American eagle, the bird of liberty? Do you know there are 500 kinds of hawks? Many species resemble each other closely, writes Dr. A. A. Allen, Ph. D., of Cornell, in the American Forestry Magazine, of Washington.

"All can be recognized by their short hooked bills," continues Dr. Allen, who is one of the foremost orthinologists in America, "their strong talons and the absence of the facial disk which characterizes the owl. Parrots, which are somewhat hawk-like in appearance, have very thick bills and have two toes directed forward and two backward, instead of three in front and one behind.

"Hawks vary in size from the gigantic condor and the California vulture, the former measuring over twelve feet from tip to tip of the wings, to the pigmy falcons of India, which are scarcely larger than sparrows. The females are usually larger than the males, frequently exceeding them by several inches in length. Thus the male Cooper's hawk measures but a little over fifteen inches in length while the female averages nineteen inches.

"Most species are inconspicuously marked with brown and grey, but some have quite striking patterns of blue and reddish brown. With some species, like the marsh hawk, the male and female are different, but usually the adults are colored alike and the immature are different. The adults tend to become very gray above and barred below, while the immatures are brownish above and streaked rather than barred on the breast.

"The color patterns of many species are so similar that it is much easier to distinguish them by their size or their shape than by their colors. Thus the red-tailed, red-shouldered, broad-winged and rough-legged hawks all have very large, rounded wings and broad, fan-like tails; the gos-hawks, Cooper's, and sharp-skinned hawks have short, rounded wings and narrow tails; the marsh hawk and the fish hawk have long, narrow wings, and the falcons have very pointed wings.

"Each type is adapted for a particular feeding habit; the large winged species circle high overhead on watch of their prey, and their wings and tails are therefore adapted for soaring; the short-winged hawks lie in wait for their prey in the shelter of the foliage, and their wings are adapted to sudden bursts of speed from a stationary position; the long narrow-winged hawks beat back and forth over the meadow or the water and are on the wing forlong periods of time, and their wings are adapted for sailing and long-continued flights. The falcons pursue their prey, striking it in full flight, and therefore have pointed wings adapted for full speed.

"All hawks are carniverous, but the diet of some species consists largely of insects, snails, frogs, snakes, lizards or fish, and some are scavengers and feed upon decaying animal matter. Their value in controlling small rodents can scarcely be over-estimated.

"The eyesight of hawks is extremely keen, and their power of focal adjustment is wonderful. From hundreds of feet overhead they scan the ground, and are able to see the tiniest mouse or lizard. In the instant, required for them to drop from that height and pounce upon their victims, their eyes change from long focus to short focus, and the adjustment is so instantaneous that they follow their prey with clear vision. The eyes of hawks are smaller than those of the owls, for all the species are diurnal, although some species like the rough legged, are most active toward dusk, and the tropical langhing falcons can be heard long after dark. Hawks eyes vary in color from yellow to red, some being gray and others brown. Young birds usually have different colored eyes from the adults, those of the Cooper's hawks, for example, changing with maturity from yellow to bright red.

"The voices of hawks, for the most part, are harsh, discordant screams, quite in keeping with their wild nature. The short-winged species like the sharp-shinned and Cooper's hawks that lie in wait for their prey, are usually silent except on their nesting grounds, but the others call frequently as though to strike fear in their quarry."

### Science Notes.

Part of the organization of the Chinese Court in the days of the Empire was a staff of five astrologers.

The business of the London Stock Exchange, under peace conditions, requires the service of 25,000 persons every day.

Of 1,000 specias of flowers, 284 are white, 223 yellow, 223 red, 144 blue, 72 violet, 36 green, 12 orange, 4 brown and 2 black.

The Canadian annual production of tobacco is about 10,000,000 pounds.

It takes a powerful locomotive drawing a train of 10 passenger carriages a distance of five miles to reach a speed of 60 miles an hour on a straight and level track. The brakes will stop the same train in 700 feet


Minard's Liniment Cures Diphtheria.


## A MODERN CRUSOE

### May Be Interned as a German Subject.

Down in the South Pacific, the Marshall island group smiles up at a cloudless sky. The blue waters break in creamy foam on the coral reefs, the cocoa palms raise their feather-duster heads over a tropic garden of peace and plenty. There are scores of tiny islands in the group, ranging from mere specks of sandy reef up to eight or ten acres.

On one such island, until recently, a man was living quite alone. His existence must have been a Crusoe-like idyll. The sea is alive with fish, the land yields its fruits to anyone energetic enough to pick them. The climate is a soft symphony in a minor key. But even here a ripple of the world-war came sweeping, tore the lone philosopher from his placid pinnacle, and cast him amazed and ruffled, into a prison 5,000 miles away.

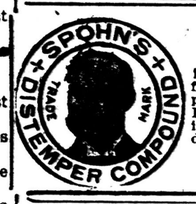
The Marshall islands are, or were, a German group. To the south lie the Gilbert islands, an English group. There is no way for the casual of the sea to distinguish between a Marshall island and a Gilbert island. An arbitrary line, drawn due south-west from Keats Bank, through blue water, divided Germany from England in those latitudes before the war.

The man who chose to live alone on his island was an Englishman. Many years ago, he selected his future home with a nice eye for security against tornadoes, adventages in the way of harborage and palm and water. Unfortunately, he got on the wrong side of the imaginary line drawn from Keats Bank. He located on a German island instead of an English one.

When the allies set out to sweep up all the odd German possessions, they found this modern Crusoe on his German island. Investigation developed that in securing his holding, he had gone through processes of law which resulted in his being regarded as a German subject. It was proposed to remove him, but he escaped in disguise to the United States. After a brief period of tranquility, this country entered the war; and the latest report from the wanderer without a country alleges that he is about to be interned as an enemy alien.

### The Humanities.

The humanities are those branches of education or study which are included in what are called elegant learning, as languages, grammar, philosophy and poetry, including the ancient classics, an educator says. The name implies that the story of these branches has a tendency to humanize man, to cultivate particularly those faculties which distinguish him as a man in all his relations, social and moral; that is, which make him a truly cultured man.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SPOHN MEDICAL CO., Goshen, Ind. U. S. A.

HIRST'S
PAIN EXTERMINATOR
Always Effective—and acts quickly
Relieves lame back, lumbago, neuralgia, sprains, lame joints and muscles, toothache, earache, sore throat and other painful complaints—Hirst's Stops the Pain. Get a bottle today. Have it handy—has a hundred uses. At dealers or direct use. HIRST REMEDY CO., Hamilton, Can.


## HEROES ALL.

### Thrilling Story of Torpedoing of U. S. Destroyer.

Automatic devotion to duty while in a state of unconsciousness was shown by a fireman aboard a United States destroyer when hit by a German torpedo. The destroyer's stern was torn off, but she reached port safely. One man was killed.

Twenty were in the compartments near which the torpedo struck. None were seriously injured. Each was utterly blinded by gases and debris, yet all water-tight doors in that part of the ship were later on found closed, though the men did not remember having closed them.

The torpedo crashed into a store-room four feet from where F. W. Kruse, a first-class fireman, was asleep in his bunk. Four structural frames—84 inches of the side—were torn off alongside him. Two depth charges exploded on deck just above—a tremendous blast of T.N.T.

Kruse groped from his bunk, out through the doors and up the ladder. He staggered forward along the main deck. Abreast one of the funnels, he bent over, feeling for the hatch leading below into one of the fire-rooms, trying anxiously to undo its closed cover.

"Are you hurt?" asked an officer, noticing his glazed eyes,

"Here in my bunk?" laughed Kruse. "Hell, no!"

Surprised, the officer was about to pass on to the destruction aft. But Kruse made a convulsive movement, and light returned to his glance.

"What's happened?" asked the fireman, still dazed.

He was told

"My battle-station's right under here!" said Kruse. "Guess I was bound there without knowing it!"

"You sure were!" said the officer. He was right.

The man who was killed deliberately sacrificed himself. He was "Rebel" Ingram, a gunner's mate. Seeing the torpedo close aboard, he dashed aft to release the depth charges. On the way, he had to pass the after 4-inch gun, under which the torpedo hit. The explosions hurled the gun overboard, and all that was seen of Ingram was a patch of red, staining the wreck of the sinking gun and its mount.

Smoke was coming from the magazine under the shattered compartment, when officers went below to investigate. Hundreds of pounds of ammunition were stored there. Yet the officers, without an instant's hesitation, wrapped wet towels about their faces and plunged into the magazine with electric flash-lights. They closed the door after them. Ten minutes passed before they returned, to report that the fire was from the lignum vitae bushings of the starboard propeller shaft. But they had had no means of guessing that.

With her after gun gone, the destroyer was unable to attack or defend herself from astern. She could steam with her port propeller only, and at less than 10 knots. The submarine came to the surface about 1,000 yards off her beam. Four shots from a forward battery sent her under again. With nothing but the tip of her periscope out, she could have easily manoeuvred, attacked and "gotten" the destroyer from the read.

"But she didn't!" later said her of-of Hun cold feet!"


Mansonville, June 27, '13.

Minard's Liniment Co., Limited.

Yarmouth, N. S.

Gentlemen,—It affords me great pleasure and must be gratifying to you to know that after using 36 bottles of your Liniment on a case of paralysis which my father was afflicted with, I was able to restore him to normal condition. Hoping other sufferers may be benefitted by the use of your Liniment, I am,

Sincerely yours,
GEO. H. HOLMES.

Men, Men!
Try It To-night—
Feel Fine To-morrow

Simple Way to Get "Pep," to Be Put Right on Your Feet.

When a man has lost ambition to "dig in" and stay at things—when he complains of headache, fullness in the right side, pains in the shoulder blade—it's purely a case of "Liver."

These symptoms invariably indicate a clogged, inactive liver. The body can't get rid of ite wastes, and the whole system is half paralyzed.

Dr. Hamilton's Pills stimulate the liver into activity in one night. Being a mild vegetable laxative they produce results in a few hours. The bilious headache and constipation are cured, spirits rise, complexion clears, animation returns. Nothing in the calendar so efficient for that tired, lazy feeling as Dr. Hamilton's Pills. Very mild, don't interfere with work, invariably do lots of good. Try a 25c box, all dealers.


### Darkness Over the Sky.

The projectile of the gun with which the Germans have been shelling Paris from a distance of seventy-five miles must rise in its trajectory to a height of twenty-four miles above the earth. The Scientific American says it is probable that at that height there is so little air that the sky loses its blue appearance, because there is hardly enough of it to produce the refraction of light which gives it its faminosity.

"If we could accompany this shell on its course," continues the Scientific American, "we should probably find the sky growing darker and darker, until it becomes nearly black. In the black sky the sun would show as a ball of fire, while the stars which were not obliterated by the sun's light would also be visible. Below us we should have the reflection of sunlight from the earth and from the denser strata of the atmosphere."


Minard's Liniment Cures Distemper

Although merely following its natural bent the corkscrew demonstrates that one good turn deserves another.



ISSUE NO. 6 191.



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WATER WHEEL FOR SALE. ONE fifty-inch Barber Turbine, also shafting and gearing in good condition. For full particulars apply to the Slingsby Mfg. Co., Ltd., Brantford, Ont.

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FOR SALE—150 ACRES OF LAND clay and sand loam. Brick house, basement barn. Cement silo, and other outbuildings. 3½ miles from Thamesville. Good water. Gravel road. Apply Geo. Dowswell, Thamesville, R. R. No. 5. Phone 665.

TWO ACRE FRUIT FARM, SANDY Loam, excellent house and barn. Electric Light, all conveniences, two minutes from Radial, with or without furniture. Owner going abroad. Box 543 Grimsby, Ont.

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FOR SALE—THREE HUNDRED AND twenty-six acre farm land; 125 acres cultivated; balance partly timbered; good farming district; very cheap for quick buyer. G. R. Duncan, Fort William, Ont.

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ESCAPED, BLACK FOX. SUITABLE reward paid. Reid Bros. Bothwell, Ont.

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OUR PRODUCT A WINNER. USED in every home. Whirlwind sales. Agents making five to eight dollars daily. Either sex. Write at once. Craig Bros., Niagara Falls, Ont. Can.

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FOR SALE—A FULLY EQUIPPED brick manufacturing plant in the city of Niagara Falls, with ten acres of land well suited for the manufacture of brick; no other plants in the locality with a large demand for the manufactured article; a big opportunity for the right party. Apply John B. Hopkins, barrister, Niagara Falls, Ont.


### Whale Strains His Food.

All whales develop rudimentary teeth before birth. If the teeth continue to grow, the whale is put in the toothed class; if the teeth are displaced by a large number of flattened plates of bone of baleen, fringed at the edges, the whale is put the whalebone class. Baleen forms a sieve through which the whale stains all food collected from the water.—Popular Science Monthly.


HOW'S THIS?

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Medicine.

Hall's Catarrh Medicine has been taken by catarrh sufferers for the past thirty-five years, and has become known as the most reliable remedy for Catarrh. Hall's Catarrh Medicine acts through the Blood on the Mucous surfaces, expeling the Poison from the Blood and healing the diseased portions.

After you have taken Hall's Catarrh Medicine for a short time you will see a great improvement in your general health. Start taking Hall's Catarrh Medicine at once and get rid of catarrh. Send for testimonials, free.

F. J. CHENEY & CO., Toledo, Ohio.
Sold by all Druggists, 75c.


## A ROOSEVELT STORY.

### Told by President Harrison's Secretary.

Elijah W. Halford in the Christian Advocate.

A very prominent Republican Congressman was in my room one day after he had made a bitter attack in the House upon civil service reform, repeating many of the cheap current charges and critisisms upon the work of the commission, and particularly singing out Mr. Roosevelt for sarcastic comment. While he was talking with me the Commissioner came in. They did not speak to each other, and I was tactless enough to introduce them; when almost immediately the fireworks began, and in a minute or two the lie passed. I got between the two, and the Congressman at once left the room. Mr. Roosevelt apologized to me, and said he realized that any man who struck another in the President's house could not remain his appointee, and he had determined if blows were exchanged at once to write out his resignation.

The sequel to this story, as related, is that some years afterward, in the same room, President McKinley and the Congressman were having a friendly chat. Mr. Roosevelt entered, and seeing who was present sat down in a corner chair, awaiting his departure. The Congressman had observed who came in. Without apparent change in manner, but in a voice distinctly heard he said: "McKinley, you remember a fellow named Roosevelt, who was Harrison's Civil Service Commissioner. He was the most impraticable ass ever. I notice you have as Assistant Secretary of the Navy a person with the same name, but it can't be the same man, for your man is about the most efficient officer I have ever known." Mr. Roosevelt sprang to his feet, walked across the room, extending his hand to his old time enemy, saying "Put it there; it's all right hereafter." They shook hands heartily, and from that day remained the best of friends. It was Roosevelt's way.

The fate of the child is always the work of the mother.—Napoleon.


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