

the sun, moon, planets and stars-the others being the aurora australis and zodiacal lights-Mr. Osborn said that the cause of these are not known. He was definite, however, in stating that the northern lights are not a re flection of the sun from leebergs.

"The most popular theory of the "It would seem that this is 'lly to the moment of its death. for there is little heat accom- Thrust into a world where nearly said. based, for there is little heat accompanying them. They are light with-out heat, such as the firefly emits.

"There is a slight warmth account panying them, but not as much as one expect of electricity. Also they are silent, except for a low singing or swishing sound. Also they show some of the prismatic rays and electric light does not, so far as I am

"The magnetic terrestrial disturbunces do not always attend the aurora. Very often, too, there are severe magnetic disturbances when there is no aurora.

'A causation that appeals to me and which is original so far as I know is that they may be the incubation of millions and trillions of phosphores cent insectivorae. This would ac-count for the swishing, for the colors and for the wavy motion in the atmos-phere and for the light without heat. "It is notable that whenever the orthern lights occur in good volume there is a warm spell following them within 48 hours; very often, in fact almost always, accompanied by precipitation.

'In this connection it may be recalled that in the Arctic and sub-Arctic regions there are vast incubations of aerial insects and that they often fall to the ground and cover it. Some times they are red and are called 'red snow.' These may be related to the colors as shown in the surora.'

Japanese Like Films

. That the Japanese are as enthusiastic about moving pictures and movie stars as are the film fans in America was recently evidenced by a prize con-test for the most popular Japanese cinema player. The contest was conducted by the Miyako Shimbun of Tokyo, one of the leading amusement newspapers of the capital, and the winner, Miss Nobuko Satsuki, received 1,313,553 votes. Both

It was only many years later that he rediscovered it. examined it, and be-""m" aware of its unique character

Score Fare Only to

Dance Through Life strange creature, the dainty May causation of these lights is that they dy. One of the strangest things is are magnetic or electromagnetic," he that it eats nothing from its cradle

> every living thing is constantly in search of food, the May fly goes its way with never a thought of food, writes W. A. DuPuy in Nature Magazine. Surrounded by creatures that He in wait and devour each other, the May by eats not nor thinks of eating. It does not even possess a mouth with which it might eat if it felt so disposed. It comes into the world with a certain amount of vitality in its frail body, it dances gayly until that

strength is gone, and dies. Equally strange is the birth of the May fly, a birth which almost any observer may witness if he happens to be sharp-eyed by the waterside almost anywhere at just the right minute. If he watches closely he may see many tiny creatures as big as b emerging from the mud at the bottom of the lake or stream.

More Oranges, Fewer Grapefruit, Tangerines

Washington.--- A preliminary estimate of the orange crop in Florida by the United States Department of Agriculture indicates 10,900.000 boxes.

excluding tangerines, for 1925-26, or about 600,000 boxes more than the revised estimate of the crop last year. Tangerine production is placed at 600,000 boxes, or 100,000 less than last Sear, and grapefruit, 7,500,000 boxes, or 700,000 less than last year.

The total preliminary estimate for citrus fruits is 19,000,000 boxes, compared with a revised estimate of 19. 200,000 boxes last year. These estimates are of the commercial car lot and express movement, and exclude the usual loss from drops.

Decreased production of grapefruit is attributed to light and spotted setting of fruit, and to the fact that there will be more over-sized fruft than usual. Unless market conditions are male players were eligible. Miss Sat-sublis noted for her "vamp" roles. move by truck or be lost from dropping, the department says.

be-and fly away with it as hard as ever he can, with other crows in hot pursuit. Presently some of the other fellows will overtake him, fly around in front of him, flap their wings in his face and do everything

they can to make him drop it. (That's what we call "Interference," isn't it?) Then there's a rush and a scramble to catch the ball before it falls to the ground, and the lucky boy is, in turn, chased about. All of the kinds of play I've been telling you about so far are just plain play, as far as we can see, and have nothing to do with the business of life, dif-

fering in that respect with the play of the kitten with the ball of yarn. The kitten is really pretending that ball is a mouse But the birds also, some of them, have forms of play that are directly related to their future professions. For example those poetic cousins of the crows, the ravens, have a game of solitaire with sea-urchins. A sea-urchin is a little shelled sea creature and is a part of the raven's bill of fare if the raven happens to possess a villa by the sea. The raven's way of preparing his little friend for dinner is to drop him from a height on

some convenient stone so that the urchin's shell Wreaks open. Then, in the language of the well-trained butler. "Dinner 'is served, sir!" Yet you will often see a ra-

ven / carry one of these sea-urchins aloft, drop it, and then flap down and catch it before it can reach the ground; and he will do this over and over again. The kitten's game, you see, played by a raven.

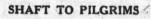
(I have called this little game "solitaire," for although the seaurchin takes a part in it, in way, the raven really does all the playing.) Hawks have a game of catch

which two take part. Mates will play in the air in this way with a snake that one of them has caught. Flying to a great height, the possessor of the tid-bit will drop it and the other will catch it. Then the two will change places, the pitcher will catch it.

of salmon streams and the seals take heavy toll of this food fish. Feeding tests have shown that an adult seal requires about thirty pounds of fish for a meal.

At present the only checks on the increase of the seals are the operations of the few professional hunters who pursue them for the \$3 bount; offered by the state, and the occasional forays of local sportsmen.

Mr. Einarsen declares hunting seals is a very keen sport. The seal is a sagacious animal and persecutio leads to extreme wariness. The fact that there is such an element of chance discourages any great effort to exterminate the animals by professional hunters.



This monument to the Pilgrin fathers was unveiled recently at Immingham, England, near the spot from which the Pilgrims set sail for America, via Holland, in 1609. It is surmounted by a block of granite from ymouth

to the sedan, with two close-coupled

cross seats for four passengers. There

is no glass in the rear quarters. The

conventional type has two doors only,

the forward seats being divided and

the right-hand seat tipping forward

to give access to the rear cross seat

Some models have two doors on the

right-hand side, there being two fixed cross seats."-Exchange.

- in Air by Eagle

New York .-- Lieut. James M.

Bovard, who completed his an-nual 15-day training period as a

Flyer Is Attacked

doubting ones.

-1

spirit that pervades Macedonia—the inherited fear of a population that has been harassed and ravaged for ture of both these branches. centuries, and expects to be harried An outstanding feature of the Juniors' work this year was the parand ravaged again. That fear has be ome defensive, and it is expressed in ticipation for the first time of a Junior Red Cross worker in the disaster rethe behavior of the sheepdogs-animals that come from afar across the lief operations following the tornado in Missouri, Illinois, and Indiana. fields rushing swiftly at your motor and almost leaping into the car with Schools in many more fortunate local-files displayed a keen interest in sending toys and books for the use of the children in the disaster area. deep bayings, only giving up the pursuit when they are quite exhausted. Those dogs remind one of the woives

of Russia. This Macedonian fear becomes an larmed curiosity as the people watch your car. What are you there for? What honest purpose could bring a man possessed of his senses to this foriorn land? What kind of oppressor are you? A landlord, a taxer, or an evictor? Do you come to sell weapons?

Fo kidnap men? Those are the fleeting shapes and

forms taken by the fear of Macedonia. Remember that it is only twelve years since these people were subject to the caprices of any passing Turkish pasha or bey, and that since then, they have been bandled about betwee the ambitions of new Christian states. Even today they are being visited by murderous bands. No wonder there is fear in Macedonia.

Why Gold Is Getting

The world's annual output of gold enormous and is greater at the present time than it was 20 or 30 years ago. Even so, there is not enough to go around as the basis of sound money or exchange. The reason for this is the large quantity of the precious metal used in arts and crafts, and hoarded or lost.

ers. Every year they work up nearly 150 tons of gold, scarcely an ounce of which is ever recovered for other use. Goldleaf also absorbs huge amounts, vast quantities being used for plating other metals and for ornamenting pot-

dia is to regild the dome of some religious building. Such an operation often absorbs \$50,000 worth of gold. of gold. Not long ago an India rajah used 17,-

Federal authorities revealed that the singer's sister, Mrs. Frances Ada wife of a Joplin (Mo.) merchant, had been arrested and released on b there as the actual sender of the no It was mailed from Bellefe Ohio, July 30, by a public stenogra to whom it is charged, Mrs. Adap given it on a train. The text of etter is withheld.

Marks settled \$400,000 on Mrs. D blaser when they were divorced last fall, \$100,000 of which was put in trust on condition that she would not annoy him for five years. The good behavior pact was first broken shortly after the divorce, counsel for Marks munities, but has been extended to indian schools, and to native Alaskan schools where many Eskimo children avers, when she attempted to palm of a bogus child on him. Court proceed the international correspondence be-tween schools is proving more and more popular. American schools are ings in New York resulted in the being returned to a sanitarium in Kan mas City. now corresponding with those in thir-ty-four countries.

The good behavior fund was cut in half as a result of the paternity ch Marks' lawyers say, and has now ancelled entirely.

Counsel for Mrs. Dornblaser said the oolson pen charges were an att by Marks to get out of fulf trust fund agreement.

Raise Level of Entire

English Town Five Feet

Northwich, England. - Sh ouses bodily several miles and some yards along the level has been done, but raising a whole five feet is something new. This is claimed to have be

complished by the surveyor of

town in just under three years. The entire business portion Northwich, including ten streets, f banks, the county court and 200 store and houses, have been raised to count teract the effect of subsidence cause by the brine pumping which pro-continually in the salt mines und town.

There has been no stoppage of b ness and only eight buildings have had to be demolished because they could not be safely lifted.

In raising operations, parts of the lower brickwork were removed and small hydraulic jacks inserted. Chem-lsts' stores were lifted so carefully that not one bottle was disturbed.

The town bridge was raised five feel at each end to bring it up to the new

Asking themselves "What if disas-ter should visit our city?" the leading citizens of many communities of the United States have adopted the Scout motto to "Be Prepared." Impressed by the frequency and the wide range of peace time calamities in their country, they have organized their communities with the thorough their communities with the thorough ness which normal conditions permit Scarcer Every Year against the possibility of a time when there will be no chance for though or plan. Red Cross Chapters in many alities are similarly prepa

Jewelers are the heaviest consum-

tery. But it is in China and India that gold is most largely withdrawn from financial use. A form of plety in In-

Oldest Man in

World is 140

London.-A man Who claims to be one hundred and forty years old and to be the only living person who saw Napoleon was described to the Royal Gec-graphical society by H. St. J. H. Philby, former British representative in Transfordante

His name is Hajj Tahir. and he states that he was born in fecca, and went to Palestine at the age of twelve or thirteen. in 1799, when Napoleon was in Syria

"He is sound enough in wind and limb," said Mr. Philby, "and has an enormous appetite, and, strangest of all, an indisputable power of mastication with the ald of what purports to be a newly sprouting, but still invis-ible, third set of teeth.

"The only serious weakness in his claim is that his offspring afford no relevant evidence of his age, as he declares that he committed matrimony for the first time at the age of seventy

or thereabouts, and he has re-cently married again." Mr. Philby added that, while Hajj Tahir claims to be one hundred and forty, he says that he vas born in the year 1215 of the n era or A. D 1801 ich would make his age on adred and twenty-four.

and of the set

Razors and Hot Water

The bureau of standards says that bere is no real basis for the statement that pouring hot water on a razon blade will injure the steel from which it is made. In general, razors are very hard, and it is possible that in some ases the continued application of olifing water would exert a slight impering effect, thereby slightly oftening the blade : however, in genral it is believed that the influence hot-water applications would mere-"seuson" hardened steel withou maurial change in hardness. The

there applied to different steels is not " understood, but it is questionable allected at all.

Cat Followed Master

strange tale of homing instinct inimals is reported from Tyldesley, wer

girt.

"elice Inspector Atkinson, who was enily transferred from Coine to yidesicy, about 40 miles away, took ith him his cat, it was missed and a sw days afterward he received a letr from Coine police station stating t the cat had returned to its former

Inspector Atkinson told a reporter hat the cat took four days to make he journey, and he took it back again. It was born at my house," he said, and twenty-four. (and it regularly account of the second o

becoming the catcher and the catcher, pitcher.

Tragedy of Razor Blades

Those who are puzzled to know what to do with used safety razor blades may find a hint in the follow ing, says the London Mail. A young and pretty girl approached Battersea is a luggage compartment or space for a trunk-at the back of the body. There She held something tightly in bridge

her left hand. When she reached the middle of the bridge she stopped and looked around. Only one man was anywhere near, and he, apparently, was not paying any attention to her doings. In a flash raised her hand and flung some thing into the river below. It glittered and shone as it fell, and the man, gazing over the bridge in curiosity, aw that it was a small glass phial of the sort in which powdered bath salts

are sold, twelve in a box. His curiosity overcame him, and he overtook the "Do tell me what you threw into the river," he begged. "My husband's razor bladcs," was the astonishing an-

Earth Given Great Age Prof. Henry Russell of Princeton niversity conjectures that the earth is 8.000.000,000 years old, basing his theory on a computation of the time it took the Colorado river to carve out the Grand canyon. Also he cites as a gauge the time it takes uranium to gauge the time it takes uranium to decompose. It takes a speck of ura-nium 500,000 years to decompose, and by studying the lead beds of the world, which are all-that is left when uranium has disappeared, he arrives at his conclusion on the earth's age.

the set

000 English sovereigns to form cen ters to each minute pane in the win-Coach Properly Defined dows of his palace.

Now that the coach has become large factor in motordom, the question terling in gold vanish yearly in Inraised as to what is meant by the dia, and quite as much in China. This term. The Society of Automotive En is all buried, and as a rule the owner "An inclosed it: body, similar in general appearance dles without revealing the secret of his hiding place; consequently the gold is lost, sometimes forever.

> **Sparrow Bait Lures** 4,400 Cats to Death

Tokyo .-- The Tokyo police recently arrested a man charged with killing 4,400 cats by baiting them with live sparrows. He is Minokichi Noguchi, and his operations, he told the police, have been confined mainly to the Honjo district, where cats are as

scarce as steam heat in Japan. The police were at a loss to know why Noguchi had a penchant for snar-ing cats until he explained he was the official supply source of catgut to artisans who make the samisen, or three-stringed Japanese musical instru-ment, which is covered with catgut in addition to having strings of that material.

reserve aviator at Mitchel field recently, told a story of an ae-Noguchi says he gets about 2½ yen each for catgut yielded by one cat, about \$1. He can buy live sparrows rial encounter with an eagle, in which he emerged the victor with one of the eagle's tail feathfor a cent or two each, and often one ers as a trophy. While 3,000 feet over Long Island, he said, sparrow brings in more than two or three cats, especially if he is quick enough to rescue his balt before Tom a great bald eagle swooped down and fastened its claws in his gnaws it too extensively.

leather helmet. The propeller blast carried the bird away. The cat trapper was released when the police failed to find an ordinance Bayard exhibited a character-istic barred eagle feather and covering balting of cats by sparrows, however disastrous it may be for Tom who lives in a land where catgut is scratches on his belmet to the

Between £2,000,000 and £3,000,000



Why Wisdom Teeth

ice of the Red Cross, has led to a de

termination to make it a regular fea

The Junior Red Cross, porgram has lourished not alone in settled com

indertook Junier work. In addition

Strong Membership Appeal In Red Cross-Disaster Relief

Asking themselves "What if disas

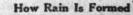
Nature arranges that the apparatus of our body shall be supplied to us in accordance with our needs and development. And so the baby first grows its "milk teetb," a temporary set just strong enough to enable it to take the soft food natural for its age

and digestion, and light and small enough not to inconvenience its mouth. As we grow older and need harden food, these teeth fall out and our real set appears, not all at once, but with additions according to our needs and the growth of our jaws. Last of all come some teeth which today our habits hardly need, and which there fore are held back, till last, and when

our jaws have room to receive them. Often, indeed, they fail to come at all.

Why Sounds Go Upward A famous scientist who made many experiments on the audibility of sound at various heights from the ground as he ascended in a balloor gives us the following information A man's shout was heard at 1,600 feet; the sharp note of the mole cricket at 2,500 feet; the croaking of

frogs in a marsh at 3,000 feet ; the rol of drums and music of an orchestra at 4,500 feet; the crowing of cocks and notes of church bells at 5,000 feet: the report of a rifle and the barking of a dog at 5,900 feet; the noise of a railway train in motion at 8,200 feet, and the whistle of a locomotive at 10,000 feet.



Water vapor-i. e., water in an in-visible gaseous form-is the only atnospheric gas that plays a distinctive part in the production of weather, says Nature Magazine. Besides being the source of clouds, rain, snow, dew, etc., it influences the temperature of the atmosphere in several important ways. The amount of it found in the air varies greatly from place to place and from time to time, ranging from a small trace to more than 4 per cent of the volume of air.

Miles of Flying Ants

Invade Adirondacks Saranac Lake, N. X.—A great column of flying ants recently passed down the Raquette River valley section of the Ádiron-dacks. A cloud of insects esti-mated to be four miles long re-quired an hour and a quarter to pass given points. Amazed resi-dents at first believed the cloud was smoke from a forest firs. The ants flew in great sections, but the sections were never more Saranac Lake, N. Y .-- A great but the sections were never more than a few feet apart.

than a few feet apart. After the passing of the col-umn, the river surface was cov-ered with the bodies of thou-sands of insects that had flown too low. The ants were about a quarter of an inch long with the exception of the queens which measured a half inch. Fly-ing ants are new to the Adironing ants are new to the Adi

in such demand.