

Bellefonte, Pa., March 12, 1915.

AFFECTED BY WATER'S DEPTH

Geographers Have Found It Easy to Trace the Cause of Tidal Irregularities.

To be exact, there is only one ocean in the world where the tides follow the moon with regularity, and this is the great Antarctic basin. And the reason is that there is the only place a sweep of water is to be found that is entirely uninterrupted by land. The enormous waves caused by the moon's attraction course round the world south of Cape Horn and the Cape of Good Hope, with absolutely nothing to break them. Here in our northern hemisphere great masses of land interrupt the tidal waves and, combined with the shallowness of the inland seas, cause them to perform antics which seem most strange.

The depth of the water has much to do with the tidal irregularities. Out in the open ocean, where the tide is abysmal-about five thousand fathoms -the speed of the waves is amazing. Where the depth decreases to five fathoms the tide cannot travel more than fifteen miles an hour. In England for example, which is surrounded by narrow, land-broken seas, the result is that they get some of the most dangerous tidal races and currents to be found. The most formidable of these is the whirlpool between the islands of Jura and Scarba, on the west coast of Scotland. This is known as the "Caldron of the Spotted Seas."

There the current runs at times at the rate of more than twelve miles an hour, and the force of a heavy tidal current rushing up to the wide mouthed river forms what is called a "bore." A most striking example of this tidal feature is often seen on the Amazon, when a moving wall of water, reaching from bank to bank and to a height of more than twenty feet, will rush inland.

DOGS HELPED EACH OTHER

Case of Mutual Understanding Seems to Argue for Existence of Intellect.

A horse trough in one of the suburbs of Sydney was the scene of a funny incident the other afternoon. Two dogs, water spaniels, were trotting along. when they came to this place, and stopped for a drink. They were both thirsty, but neither was tall enough to reach the trough; and they talked the matter over, as dogs will, and wondered why they had not been treated with as much consideration as horses. Presently they solved the problem. edge of the trough and the other, rest ing his forefeet upon his companion's back, was able to reach into the pool and slake his thirst. When he had fin ished he hopped down, seemed to say that the water was good, and then in turn ranged himself under the edge of the trough, and the other reached up for the drink he had earned. When he was satisfied, they trotted away to gether, as well contented as any man could be who had met a problem and vanguished it.-Dawn.

Keeping Flowers With Sugar.

Two professors of the school of agriculture at Rennes. France, have made some interesting experiments in prolonging the lives of cut flowers. One hundred different flowers were used in the experiments, and it was found that sugar helped to keep most of them fresh, but was positively injurious to lilies and sweet peas. It hastens the opening of roses and orchids, but did not thus affect tulips, daisies or chrysanthemums.

Experiments were made with small quantities of chloral, ether, glycerin, alcohol, limewater and ammonia salts each of which served to lengthen the life of various flowers. Some of the flowers kept in sugar and water lived four times as long as they ordinarily

The sugar does not have an exactly equal effect on the different flowers it preserves. Carnations seem to like a 15 per cent solution and roses do better in a solution of from 8 to 10 per cent.-Florists' Exchange.

Common Ailments.

The pain from an ingrowing toe hail can be relieved, says nurse, by treating with a mixture composed of one ounce chloride of zinc and one drop each of muriatic and nitric acid; mix them thoroughly and apply one drop daily to the afflicted toe.

The suffering caused by chilblains is often relieved by painting them with collodion, with equal parts of oil of turpentine and ichthyol, applied with a camel's-hair brush.

When the feet are swollen and congested from rheumatism or other causes, try bandaging them. Begin at the toes, drawing as tight as may be borne until the heel is passed. This will usually relieve the congested condition.

Good Work of Aviators.

In all of his reports General French has laid stress upon the great service rendered by the aviators in ascertaining the moves of the enemy as soon as they start to make them. The reconnoissance work they have performed has been invaluable. According to the official statement of the British war office, their aviators are covering an average of 2,000 miles

Rebirth of Nation in Palestine Is Movement for Greater Freedom of the Jews.

The Jewish movement called Zionism is not a movement for the restoration of the Jews to Palestine. The 3,000,000 of the 14,000,000 Jews. It is a movement to win more freedom for

process of practical completion. A generation ago a few Jews emigrated from Roumania and Russia to Palestine because convinced that the Jew's undying yearning for the land of Abraham is a fact of the deepest meaning. It is evidence of the survival of a nationality that has shown its fitness to survive. Those pilgrims and their successors have demonstrated that Palestine is fit for the modern Jew and that he is fit for the

Where the land was treeless and supposed to be worthlessly sterile the colonists have caused the almond and the olive, the grape and the orange, wheat and the sister cereals to thrive and abound. They are changing the desert into a garden. At the same time the material development of the Jewish colonies has been accompanied by no less remarkable development of the Hebrew colonizers both socially and spiritually. Hebrews, after a sleep of more than two thousand years as a "dead" language, has again become a living tongue, serving as the medium of intercommunication between Jews from many countries of different languages. The renascence of the Hebrew language has in turn acted powerfully to revive the spirit

of Jewish nationality. It is a strange instance of the turns of history's wheel that nearly twentythree centuries after the return of Judean exiles from ancient Babylon, which for millenniums has been buried beneath the dust of ages, modern Jews now return again to the land of their fathers and build up another Hebrew commonwealth.

BLESSING OF GOOD HEREDITY

That "Blood Will Tell" Is Shown in the Descendants of Some Early Americans.

We have heard so much in these latter days about the evils of bad heredity that it might be well to reckon for a moment some of the blessings of good heredity.

If it had not been for the descendants of Jonathan Edwards our eastern universities and colleges would be short their most distinguished presi-

If it had not been for the descendants of a single Austrian who came to this country three generations ago Sir Thomas Lipton would have had pretty easy work lifting the yachting trophy. That Austrian's name was Herreshoff.

John Adams was a very mediocre president of the United States, but a first-class minister to England, and a sound patriot. His son, John Quincy Adams, originated the Monroe doc-

In the third generation came Charles Francis Adams, war minister to England, the only man who ever called Lord Palmerston down and made good with it; while scattered around the country are some hundreds of less noted descendants of the original J. A.; all of them remarkably above the average in intelligence and character. In colonial days an Irishman of English descent and his wife, who was Irish without any explanations, came to Virginia. Their name was Preston. Four governors of Virginia were descended from this Irish pair. Their seed gave governors to South Carolina, Louisiana, Kentucky, New York, Missouri and California.

In the Civil war twelve of their descendants reached the rank of general in one army or the other; and the colonels they produced are almost too numerous to mention.

Heredity works both ways; but usually the right way.

Activities of Women.

Miss Rose M. Webers gave up her position as a teacher to become a policewoman in Racine, Wis.

Twenty out of every hundred woman bread winners in New York city are adrift, that is, without homes. Symmetry in the feminine form is the ideal of a new course to be instituted at the University of Pittsburgh. Among the 3,329 woman prisoners investigated by a government commission not one college student was found.

Queen Wilhelmina of Holland will personally underwrite \$1,000,000 of the \$11,000,000 war loan in that country.

Woman Officeholders: Katherine Bement Davis, commissioner of corrections in New York, says that many women in public offices hold over from one administration to another, and, through their knowledge of the affairs of the office, keep things going. If that is true, why should they not become the high officials themselves once in a while? Officeholders, she says, are but a small part of the population at any time and could not make great inroads upon the happiness of the home.

Plan to Use Reindeer. The Laurentide company of Quebec, producers of pulp and pulpwood, is reforesting its nonagricultural cutover lands. It is also importing reindeer from Newfoundland, to see if they can take the place of dogs in winter woods work.

Matter of Giving Advice Is Always Worth the Most Thoughtful Consideration.

A very good rule is expressed in the homely words, "Mind your own business." The desire to help another is little land could not support more than praiseworthy, but it may be carried too far, and when it is, one becomes meddlesome and officious. Every man Jews everywhere. But the new birth has to be accountable for his own of a Jewish nation in Palestine is in acts. No one may carry this responsibility for him.

This is what makes proffered advice often impertinent. The man who offers it offers only half of the need and the easier half at that. If his advice is followed and failure comes, he can only say, "I did the best I could for you." It is seldom that advice thrust on another is of real service to him. Forcing it on any person who does not feel the need of it is confusing and misleading. The man who hears is not likely to make a determined effort to follow it, nor can he wholly forget it. The result is that he feels unsure of the things he is doing. Besides, it is often hard to distinguish a well-meaning friend from an idle meddler, than whom no one is

more detested There are, of course, persons who ask advice, and then thought of the most serious kind is needed. Not what you would do, but what the other man ought to do and can do-that is the only advice you can give him, and then you are probably better off if he doesn't take it. For giving advice is one of the hardest things a thoughtful person can be asked to do, and one of the cheapest things the thoughtless person does.-Milwaukee Journal.

MATTER OF OFFICE HOURS

Diverging Opinions of Two Managers as to Attaining Results Are of Interest.

Two men with offices in the Wall street district, each employing a clerical force of a dozen persons, were talking shop at luncheon the other day and one said he was an early riser and usually was at the office before any of the clerks.

"I'm an early riser, too, and get up because I like to," said the other, "but I never get to my office before nine o'clock, a half hour after the office opens for business. I do this because after considerable experience and observation I found that it is more effective with the employees.

"They are shrewd folk, they are, and have their own methods of sizing up the boss, and I find that they conclude that the employer who gets to his office early either needs the extra time to do his work in or he wants to see that his employees are not beating in the mine is the chapel of St. Antime on him. Either of these con- thony, dating from 1691. It contains ditions is, in my opinion, not to the interest of the employer.

"Therefore, I let them see that I trust them to be on hand promptly and also that I can do my part of the work in less time than they can. I can't always, but when I can't I do it at home, where they can't see me or know anything about it. I respect my people and they respect me, and 1 don't have to get to the office early to do it, either."

The Coonskin Cap. The coonskin cap is the badge of pioneer extraction. The time was when the coonskin cap was to a rifle match and turkey raffle what a collapsible silk tile is to the foyer of Delmonico's restaurant. Fitness of dress to occasion is a prime consideration, and the day was when an early pioneer occasion in winter was made as distinctive with coonskin

caps as Fifth avenue is distinctive to-

day with high and shiny "plug hats." True, a coonskin cap with the earlappers turned up, yet lying off from the head at about forty-five degrees and with the tie strings pendant therefrom, more resembles a war bonnet than a headpiece of civilized men; but, for all that, one can hardly do less than feel a sort of veneration for the coonskin cap as symbolical of the so well reminding one of their sterling qualities. No pioneer historical collection should be counted complete without a coonskin cap.—Lafayette Courier.

Cat Was Soldiers' Pet.

The "Grenadiers' cat" was picked up by a man of No. 1 company in an encampment in Bulgaria, and embarked with the regiment for the Crimea. The cat went through the campaign in a soldier's knapsack, occasionally peeping out from its shelter, and surveying the novel aspect of a battle with great contentment. Like most pets the cat did not come to a peaceful end. It finally became an inmate of the regimental hospital, that being the only quiet and safe refuge to be found for it, got worried, and died at Balaklava. Such was the end of "Bulgarian Bell." the only instance probably of a cat going into action.-London Tit-Bits.

In Jars of Pottery.

Water is made deliciously cool by putting it at night into jars of coarse pottery and placing these out doors where the night air can reach them. The pottery is so porous that some of the water will coze out during the night, leaving the rest delightfully cool. Glazed pottery cannot be used for the purpose. Each jar must be protected by a covering of fine wire, mosquito netting or cheesecloth to keep the contents clean and yet admit the air.

REAL MEANING OF ZIONISM TO BE HANDLED WITH CARE SUGAR'S GREAT FOOD VALUE

Constitutes One-Half the Nourishment That Man Needs, and Has Many Other Virtues.

Sugar and sugar-forming foods constitute more than one-half of the nourishment needed by a healthy person. As a food it possesses well-known properties, being a nutrient to adipose tissue and a respiratory fuel, and it is decidedly diuretic in its action upon healthy kidneys. If sugar is withheld, as in diabetes, a person actually starves and undergoes progressive and rapid emaciation The excessive use of sugar or sweets in the dietary is never advisable, but a judicious mixture of sugar with the general diet is necessary to maintain health. Anyone who omits sugar from his diet will lose in weight, become thin and have no muscular strength. Sugar gives one muscular strength. Eating candy is an agreeable form of sugar. It should not be eaten at all times: if taken between meals it is apt to cause indigestion. It is always best to eat candy after meals, with dessert. Growing children need sweet foods and candy to help build up their muscular strength. The child's longing for cake and candy is in reality a systematic demand for food to give it strength. Let the children have candy at meals, never between meals. Eating too much of the sweet things, particularly between meals, causes fermentation in the digestive tract, and sometimes a serious illness may result. Sugar is an antisentic. Burning sugar on a shovel will destroy unpleasant odors. For hoarseness and weak voice there is nothing more comforting than something sweet slowly dissolved in the

RAILWAYS IN SALT MINES

One of the World's Wonders Is Situated Near City of Cracow, in Austrian Poland.

Writing of the wonderful Wieliczka salt mines near Cracow in Austrian Poland, the Manchester (England) Guardian gives an interesting description of a railway station in the mine. There are 65 miles of pony tramways, says the Guardian, and 22 miles of railway. All these lines and the principal passages or "streets" meet in a sort of central cavern. Here is a central railway station, with spacious waiting rooms, offices and an excellent refreshment room all complete, all hewn out of rock salt, and looking, according to one description, "more like a summer pavilion than a railway station, with its latticed galleries and stately pillars gleaming white and iridescent." This is comparatively modern of course. The oldest "building" three altars, a pulpit and much statuall elaborately carved out of rock salt. But services are now held only in the more modern but equally elaborate chapel of St. Cunigund, which is entered down 46 salt steps. The chapel is 50 yards long, and is used regularly for worship. The ballroom is a huge room, where miners' festivals are often held. A miners' orchestra plays regularly in this hall not only for the dances, but for the entertainment of visitors, for the mine is one of the wonders of the world and is much visited by tourists.

Purity of Water.

It is sometimes useful to be able to obtain an idea of the purity or otherwise of a given water supply without incurring the expense of a full chemical and bacteriological analysis. Among the constituents of sewage are phosphates in comparative abundance. If a clear glass bottle is nearly filled with the water to be tested, a lump or two of sugar added, and the whole corked tightly and placed in a sunny place for two or three days, the water should remain quite clear. If, however, it contains phosphates in excess, a milkiness will have developed in it, in which case the suspicion of contamination would be sufficiently confirmed to warrant a full analysis traditions of midwest pioneers, and if the water supply before any more of it is used for drinking purposes

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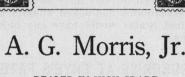
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How Alexander Untied the Knot

By HERBERT KAUFMAN

Author of "Do Something! Be Something!" LEXANDER the Great was being shown the Gordian Knot. "It can't be untied," they told him; "every man who tried to do so failed."

But Alexander was not discouraged because the rest had flunked. He simply realized that he would have to go at it in a different way. And instead of wasting time with his fingers, he drew his sword and slashed it apart.

Every day a great business general is shown some knot which has proved too much for his competitors, and he succeeds, because he finds a way to cut it. The fumbler has no show so long as there is a brother merchant who doesn't waste time trying to accomplish the impossible—who takes lessons from the failures about him and avoids the methods which were their downfall.

The knottiest problems in trade are:

1-The problem of location.

2-The problem of getting the crowds.

3-The problem of keeping the crowds. 4-The problem of minimizing fixed expenses.

5—The problem of creating a valuable good will. None of these knots is going to be untied by fumbling fingers. They are too complicated. They're all inextricably involved—so twisted and entangled that they can't be solved singly-like the Gordian knot they must be cut through at one stroke. And you

can't cut the knot with anything but advertising-because: 1-A store that is constantly before the people makes its own neighborhood.

2-Crowds can be brought from anywhere by persistent advertising.

3—Customers can always be held by inducements. 4-Fixed expenses can only be reduced by increasing the volume of sales.

5—Good will can only be created through publicity.

Advertising is breeding new giants every year and making them more powerful every hour. Publicity is the sustaining food of a powerful store and the only strengthening nourishment for a weak one. The retailer who delays his entry into advertising must pay the penalty of his procrastination by facing more giant competitors

as each month of opportunity slips by. Personal ability as a close purchaser and as a clever seller, doesn't count for a hang, so long as other men are equally well posted and wear the sword of publicity to boot. They are able to tie your business into constantly closer knots, while you cannot retaliate, be-

cause there is no knot which their advertising cannot cut for them. Yesterday you lost a customer—today they took one—tomorrow they'll get another. You cannot cope with their competition because you haven't the weapon with which to oppose it. You can't untie your Gordian knot because it can't be untied-you've got to cut it. You must become an advertiser or you must pay the penalty of

(Copyright.)

incompetence.