

DEAD WATER.

Effect of This Queer Marine Phenomenon Upon a Ship's Speed.

One of the most curious marine phenomena known to seamen is that called by Norwegian sailors "dead water," which, without any visible cause, makes a vessel lose her speed and refuse to answer her helm. The sailor's only definite knowledge of its origin is that it exists solely where there is a surface layer of fresh water resting upon the salt waters of the sea. Several explanations have been advanced by the captains of ships of the effect of dead water, the commonest of which is that the two water layers move in different directions. The true explanation, however, recently offered by Swedish navigators and verified by mathematical calculation and direct experiment, is that in addition to the "resistance waves" at the surface the vessel creates a second line of subaqueous waves between the two strata of water.

The experiment carried out to demonstrate the truth of this theory was an exceedingly pretty one. A large plate glass tank was first mounted on a wooden frame. The tank was then filled to a certain depth with salt water, and a layer of fresh water was carefully poured on to the surface, so that two separate water layers were obtained.

The salt water was blackened with liquid Chinese ink before the water layers were prepared, and in this way the different layers were made clearly visible. A boat model was then towed along the tank and a silhouette of the waves produced was obtained by placing a white screen at a short distance behind the tank. The waves were also photographed by flashlight, and the results showed conclusively that waves actually were set up at the boundary line between the two liquids.

Further experiments were made to verify the sudden loss of speed due to dead water. The boat model was drawn across the tank and the towing string suddenly slackened when the boat was about halfway across. In cases where the tank contained salt water only the boat stopped gradually, moving some boat lengths after the towing string had been slackened. When the tank contained a layer of fresh water resting on salt water, on the other hand, the boat slackened speed quite suddenly and moved only a very short distance.

These experiments, carried out on a small scale, prove conclusively that the difficulties encountered within a dead water zone are really due to the resistance experienced by the vessel in generating invisible waves at the fresh water salt water boundary, although in some particular cases the influence of undercurrents must also doubtless be taken into account.—New York Herald.

POINTED PARAGRAPHS.

The most acceptable form of politeness is cleanliness.

Because you say you intend to do a thing it isn't done.

About all some men are good for is to "second the motion."

You may think you are entertaining, but there are people dodging you all the time.

Don't send ten dollar flowers to the funeral of a man whose family is left without any income.

The man in a dangerous location never thinks he is in a dangerous location or he wouldn't be there.

The owner of a horse and buggy tries to be modest, but he can't help showing that he feels a little superior.

The first insurance against trouble that children learn about is to get a promise from mother that she will not tell father.—Acheson Globe.

On Their Way.

During a newspaper men's convention, a number of journalists were one afternoon talking of the tricks of "the faithless types," when Henry Waterson said:

"While I've heard of a great many funny typographical breaks in my time, about the oddest and most humorous transposition of the types that ever came within my observation was that in a New York paper some years ago. That sheet used to print its shipping news on the same page with the obituaries. Imagine the glee with which its readers found the captions exchanged one morning, whereby a long list of respectable names were set forth under the marine head. "Passed Through Hell Gate Yesterday."—Harper's Weekly.

Men Have Not Degenerated.

It is common to hear of the giant people who lived in the old days, yet it is decidedly uncommon to find proof that the average ancient was any larger or more powerfully built than the average person of the present day. The Egyptian mummies show these people to have been of medium size. The remains taken from the catacombs do not differ in size from the people of the present, while the armor which was worn by the warriors of the long ago fit as readily the forms of people who are not at all gigantic or at least extraordinarily above the average either in girth or stature. There were great men in the old days, but as great still obtain in this twentieth century.

Those Tourists.

M. Perrichon (visiting Switzerland)—Well, Mary, we'll take another view of this lake and then we can return to Paris. Mme. P.—Why not see some of the others? M. P.—Well, I don't see the necessity. It seems to me that one lake must be very much like another.—Bon Vivant.

He is not only idle who does nothing, but he is idle who might be better employed.—Socrates.

Some Sayings By Uncle Silas

How He Founded the Town of Silasville and Was Termed an "Eminent Citizen."

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I THINK I made my great mistake in life by asking for too much advice. I had read and heard that one's fellow men are ready and willing to tender advice, and I pushed the thing for all it was worth. As a consequence I got all twisted up and have been so ever since. My wife, on the contrary, went to a lawyer, laid down a fee of \$5 and had her divorce from me in three months' time. The man who hasn't got enough gumption to work his own head or sense enough to go to a lawyer when he finds things too deep for him deserves all he gets, and he'll get a good deal.

I spent years giving my fellow men credit for a combination of sympathy and benevolence and then broke my leg to find out that I had been hugging a delusion. They came in by the dozen to see me and say how sorry they were. They were full of suggestions and expedients and encouragement. Ilram Jones thought it would be a good time for me to learn Latin while I was laid up; Obediah Whitefish suggested that I learn 100 chapters of the Bible; Aunt Sarah Brown said that Providence had arranged it thus so that I might be near home in case the baby swallowed a spoon of thread, and Deacon Truelove called my attention to the fact that no man lying in his bed with a broken leg was ever killed by the explosion of his own shotgun.

I estimated the sympathy of my fellow men during my misfortune at ten full bars. I hadn't a dollar in cash in the house, and everybody knew it, but not a centler referred to the subject. They were too busy telling me that the accident was the work of Providence and that I must not complain.

For years and years it was a puzzle to me why all men were not honest. I can sit down today and show you cold figures to prove that dishonesty does not pay 1 per cent in dividends and that the honest man is always ahead of the game, but yet dishonesty is on the increase. I went on heaping up the measure when I sold potatoes and tendering 13 cents where I owed a man a shilling, and one day I woke up to the fact that about all my earthly possessions consisted of a bushel of old clothespins and a vinegar barrel.

I myself founded the town of Silasville. As its father, I helped it to grow and prosper. Folks said I was looked

up to for men about all things. I think most of us make that mistake. "Truth is mighty and must prevail" is a watchword that appeals to us. It took me about five years to find out that my standing was generally regarded as worse than that of a liar. The world wants a little truth and a great deal of deception. It's like taking five drops of medicine in half a glass of water. In sticking to the truth I raised up enemies on every hand and finally came to know that I must make a change.

I am not seeking to discourage you from speaking the truth now and then, my son, but you must understand that truth is like a flaxseed poultice—for use only on occasions. During the rest of the time you must either keep your mouth shut or claim that you are a little deaf. When we ask about a certain man we expect you to tell us the truth. When he asks about us we expect you to reply that you haven't got fairly acquainted yet.

I have not been able, with all my reading and questioning, to get what may be called the law puzzle through my head. We send lawyers to the legislature and to congress to make laws to be enforced. Those same lawyers come home to do their very best to break those laws. We print the laws in plain English language, and for twenty years they stand unquestioned and in force. Then arises a judge who puts a different interpretation on them and upsets the apple cart. A law is made to protect the people, and yet the lawyer who has the acumen to find loopholes in it is praised by the masses.

I hadn't seen a great deal wrong with politics when an old wheel horse set down with me and satisfied me that the country was in danger and that unless a change was speedily effected the republic of America would be buried higher'n Gilderoy's kite and sixteen different kinds of anarchy prevail. What he wanted, and what he wanted me to want, was reform. It was about the first time I had heard of it. My neighbors had come along, and my potatoes had ripened without any special effort on the part of reform, and I was dwelling in blissful ignorance of the danger to the bulwarks of liberty when this old wheel horse opened my eyes. I took off my coat and got others to do the same, and we reformed politics and saved America. That is, we sent him up to Albany, and he was such a hustler and such a wise old wheel horse that he made \$10,000 out of it and never treated one of us to a glass of lemonade.

There isn't the slightest doubt that this country is in the greatest danger today and that unless we have reform in politics right away we are going to bust up with a roar that will be heard all over Europe, but you can count me out. I'm not going to do a thing to check the impending disaster. I shall sit on my veranda and count my chickens in the pen and never sweat a hair. I know that before it is too late some Moses will rise up. He will yell for reform in politics, and he will set others to yelling, and a great wave will sweep over the country and purify and save it.

And on the crest of that wave, with their faces washed and their hair combed in order to disguise themselves, will be the same old crowd, with the same principles, and the boodle will be looked after with the same unflinching care.

Don't get discouraged, my son, and wish you had been born a horsefly instead of a human being. It's a good world to live in, and there's heaps of fun ahead for you, but you mustn't start out laboring under any delusions or hallucinations. Find out what's what and who's who and then go ahead. M. QUAD.

Just a Reminder.

Jack—And after we are married, darling, the love lights will still linger in your eyes.

Eva—Yes, but the love lights won't stop the gas bill from coming every month, my dear.—Chicago News.

Herosim.

"A man is never a hero to his valet," "No," answered Mr. Gazzie. "But, considering the chances I have learned to take without flinching, I ought to be one to my chauffeur."—Washington Star.

A Puzzler.



"Mother wants twopenorth of what yer smells in the bottle cos she ain't well."—Tatler.

A Loggurd.

Oh, little afterthought, I wish you had not come to me. For with myself I otherwise Quite satisfied should be! You're excellent, but I deplore That you should not have come before.

Why is it that you are not prompt, But saunter in instead When all the things I've done are done And all I've said is said? Of nuisances you are the worst. Don't come unless you come at first. —Bunfee Ward in New York Life.

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11:00 A. M. Lv. a	Plumas	Lv. 2:45 P. M.
1:12 P. M. Lv. b	Doyle	Lv. 1:12 P. M.
2:15 P. M. Ar.	Amedee	Lv. 12:01 P. M.
3:30 P. M. Lv.	Amedee	Ar. 11:15 A. M.
5:30 P. M. Lv. c	Hot Spgs	Lv. 11:00 A. M.
7:30 P. M. Ar. d	Madeline	Lv. 7:15 A. M.

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b Stages to and from Milford, Janesville, Buntingville.
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to Fees to Build Roads.
Secretary of State Laylin of Ohio estimates that the new automobile registration law, which makes him the registering officer and authorizes him to collect a graded annual license, will produce a state revenue of \$50,000. As this is given to the state highway commissioner's fund it will probably restore the amount to be available for the good roads movement for this year to the original figure of \$200,000.

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