AR SCIENCE STIME ENGINFACERING ACRUSVEMENT.

n Engineering Achievement. As been potent government work has been potent if Jejan. From Lake Blwa, ing an area of 500 equare miles, at an ing an area of 500 equare miles, at an ing an area of the second in the s to the sea. This difference in level to the sea. This difference ways 2,100 percount by inclined plane ways 2,100 overcome by inclined plane ways 2,100 st in length, on which boats are raised a lowered from one canal to the other an electric motor driven by a water-serl. The new waterfall also supplies wer for manufacturing purposés. Cuted ented

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LIFE, AT GREAT DEPTHS IN THE SEA. LIE. AT GREAT DEPTHS IN THE SEATOR of a featury or more, writes Prof. N. Shaler, natomists have known a great self-concerning the marine organisms sight dwell in the shallow waters next shore. They long ago learned the saking richness of these littoral forms, the census of species amounts now to ore than one hundred thousand distributed it is, however, of late that key have ascertained that the deeper arts of the occan-floors have also an hundral and varied peopling. The tey have ascertained that the deeper arts of the occan-floors have also an bundant and varied peopling. The rater part of these shore dwellers are ceedingly intolerant of the enormous ressure of the deeper waters, as well as the low temperature and total darkiew which exists there. Certain forms we lowever, acquired the ability to hibstand these peculiar conditions, as secration by generation through the plogic ages they have crept away from a realms of fierce combat next the long ages they have crept away from a realms of fierce combat next the long ages this selection of especially reparted groups for the singular stations of hibsts of the ocean depths has been picgon, with the result that those dark and pressure burdened regions are now canted by eminently peculiar animals, it is selected to the station of the content of the pressure burdened regions are now canted by eminently peculiar animals, it is selected to the station of the content of the pressure burdened regions are now canted by eminently peculiar animals, it is selected to the station of the peculiar animals, it is not the peculiar animals, it is not to the content of the peculiar animals, it is not the peculiar animals, it is not to the content of the peculiar animals, it is not the peculiar animals and peculiar animals. ns which dwell near the shore.

oms which dwell hear the shore.
One of the most striking features connected with the animals of the deep seas,
the frequency with which we find
the living specimens which remind us
of kinds which in former geologic by Cyn keening specimens which remind us hinds which in former geologic mods dwelt in the coastal districts of the oceans. It seems that many of these scient creatures, when they could no meet hold their own against the more ighly organized and developed animals high inhabited the favored stations with a shore abruph away into the ventors. 1. D. 553 Wise, o shirb inhabited the favored stations enthe shores, shrunk away into the kep water, and in that undesired part of two world found an asylum, where amid the changeless environment, they are dwelt for ages unaltered. Thus the st profounds of the deep have become not of almshouse, whereunto antiquated than have retired before the overwhelming pressure which the newer and higher deter imposes on its ancestors. From vented: Guhr i

Receive which the newscars. From the results of the relatively trifling expenses as yet, been kersults of the relatively trifing existations which have, as yet, been below the seems good reason to hope the intime we may win from the deep kersults which once occupied a large like in the seas, but now have bedoned the fields of more active com-

At which are usually the seat of the pratest advance.

In the profounder seas the invertebrate appears to have a larger share than cured by the vertebrae, or backboned mals; yet there are a number of fishes e Chinese B. C. Ita to Roge

regin not only fails, but the visual strictly disappears; in others reball becomes very much enlarged the nervous apparatus increased, and evidently arranged to catch mere less of the light. As it is certain no trace of sunlight can ever penethrough the deep which overlies halm where these animals dwell, the Patining of these area to the reads of he inven but see lieved and where these animals dwell, the pation of these eyes to the needs of the level with the patient of the patie It has been found that certain of

determine the deep sea-floors have sphorescent parts of their bodies have repeated by the familiar fire-tail glowworms. The end secured the blow between the probably search and glowworms. the light-giving parts is probably st put up ere Sara cks wer In the utter

mother has sighed for some indestructible material for foot-covering. Cowhide is really the best; but even that becomes wofully scratched by the briars, etc., and is, moreover, very heavy for aummer. The children themselves fairly revel in the comfortable and moccasin-like tennis shoes; but girls, especially, should not be allowed to wear them except on the tennis ground, as they broaden the feet, and are apt to give a very awkard gait and are apt to give a very awkward gait.

Low shoes, too, are not desirable on this account. A light laced russet shoe is the thing, par excellence, for growing girls in the summer. Very good pastes, of various kinds, come to keep them in order and when the der, and when they grow then use the shellac.

Some "Dont's."—Don't let soap lie in the water; don't leave dish towels for mice to destroy; don't throw out water in which you had cooked meat without in which you had cooked meat without skimming off the grease for soap; don't throw out nice bits of meats that could be minced or fried with bread crumbs and an onion; don't leave the bread pan with the bread sticking to it; don't let the piecrust you have left over sour before you use it; instead of that make some little tarts for tea. Don't throw away any food that could be warmed—some things are better for their second cooking. Don't leave wooden or painted buckets near the stove to be ruined. Don't scrape kettles with good knives'or ous las Don't scrape kettles with good knives'or with silver spoons. Don't let rust get so thick on your knife blades that brickdust won't remove it. Don't let cream as stand around in cups or the like to sour and mold. Don't forget to put the cork back in the molasses jug, or to cover the sugar keg. Don't omit to scald your milk pans and pitchers well once a day. Don't keep vinegar in tin, for both vine-gar and tin will be spoiled. Don't keep gar and the windesponder. Don't keep garbage on hand until it sends its death warning through the house. Don't let vinegar weaken on your pickles and don't let it eat them up. Don't let cheese mold—throw it out if you cannot use it mold—throw it out if you cannot use it when fresh. Don't let bread grow musty—nake it up before it grows past using into puddings and bread cakes. Don't throw out a bag of stale, soft crackers. Put them in a big shallow pan and let them get er'sp again in a moderate oven. Don't burn old bones—make soup of them. Don't throw away your wood ashes—make lye to make soap of. Don't put your clothes on the line and leave them to the mercy of the winds. Don't dig with one side of your broom until it looks freakish, or use your best broom to scrub with. Don't kill your-self washing when a little washing powuntil t looks freakish, or use your best broom to scrub with. Don't kill your-self washing when a little washing powder or ammonia will keep you so willingly. Don't use napkins or table clothe to wipe dishes with ...don't.

Heads of Various Types.

It is interesting to observe how the shape of a man's head acts as an index to his nationality—that is, if you know how to consult the index. As a proof of how to consult the index. As a proof of this, notice how long and narrow the average American head is. Hats made in England will not fit such a head at all, the head being so long "fore and aft" as to make the hat too wide at the sides. With the Germans it is the re-verse, if any difference. The head of a sides. With the Germans it is the reverse, if any difference. The head of a true Rhinelander is wide at the temples; if the hat is the exact length, in nine cases out of ten it has to be stretched sideways in order to make it fit. English heads are wide, but not so pronounced as those of the Germans. There is more of a "sliding scale" with them as to the relative length and breadth. The Celtic head is almost jinvariably round or oval, and without secured by the vertebrae, or backboned scales; yet there are a number of fishes leads in these depths, and it seems lid; that these tenants of the deep means that these tenants of the deep means to the relative length and breadth. The Cettic head is almost force that the promoter parts of the ocean, we find the set startling departures from the types the hinch we are familiar in coastal was in general shape they differ little fauther kindred which dwell in the last shallows. The differences are regis in the mechanism of the senses, sprially of the eyes. These organs unspectable of the darkness of the comes next to the classic Greeks in that respect. Odd as it may seem, anatomists declare that the Turkish skull is almost identical in shape, size, etc., with that of the enlighted with the visual field of the comes very much enlarged the nervous apparatus increased, and a tidently arranged to catch mere the set of the light. As it is certain Mind Your P's and Q's,

Mind Your P's and Q's,

This expression is generally believed to have arisen from the former barroom usage of scoring up against customers the amount of beer for which they had been usage of scoring up against customers the amount of beer for which they had been trusted—p standing for pint and q for quart. Scores of this sort were settled weekly, and the application of the saying is self evident. But Charles Knight suggests the more plausible explanation that the expression arose in the printing office, where many other terse and quaint phrases have had their origin. The forms of the lip and q in Roman type have always puzzling to the printer's apprentic the loop aroust and in the lip and the lip and the loop aroust and in the lip and the lip

ight with they went to date have yers fees. The

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to be the most in-

PETTY ANNOYANCES.

HAVING a squalling baby in the same

HAVING the ferryboat push out just as ou get in sight.

you get in sight.

Having a beastly drunken individual
in the seat in front of you.

HAVING to pay 10 cents for the morning paper that at home costs yeu 2.

HAVING your washerwoman fail to send you your clothes in time to leave as expected.

HAVING rome one get into the deeping-car berth above you just as you

HAVING the brakeman bawl out the stations and not be able to distinguish word he says.

HAVING the hotel waiters hinting at very meal that they expect you to give every mean that them something.

HAVING the conductor inform you just after you have started that you are on the wrong train.

HAVING somebody in front keeping the car window up when the dust and olnders are flying in.

HAVING to walt in the corridor until the elevator goes two floors above you and comes down again.

HAVING your baggaze go astray just when you wanted your best clothes to make a good impression.

HAVING a street car poking along at a funeral gait when you have only ten minutes to catch the train. Having the Pullman conductor wake you up and ask you for a ticket just after you have fallen into a sound

HAVING the car porter, as you are about to leave after he has brushed the dust off, ask "if you have not forgutten something."

something. HAVING forty Jehus poke their whips under your nose when you arrive at your destination, each wanting to take you to your hotel.

HAVING packages of lozenges and opies of "The Red Demon of the Wild copies of "The Red Demon of the Wild West" thrown into your lap every five minutes on the train.

HAVING a room at a mountain hotel slongside the bowling alley and being kept awake by the thunderlike rumbling of the balls.—Lenas Siftings.

He sat in a Six h avenue elevated

ratiroad car, and twirled a 5-rent piece expectantly. At length he turned to a New York 'Tribune reporter, who happened to be sitting near him, and said: "What's the fare on this road?" "Five cents." "Don't they collect it?" "Certainly not. You have ticket at the station where railroad car, and twirled a 5-cent You buy a ticket at the station where you get on and put it in the box on the platform." "That's strange, said the man with the unused nickel. "Somehow I've slipped in without paying. You see," he added conflpaying. You see," he added confi-dentially, "I'm from California, and we don't ride around in this sort of thing out there. Guess I can put in a ticket when I get off, can't 1?" "Well," said the reporter. "the ele-vated road crowds and hustles us so that some New-Yorkers wouldn't vated road crowds and bustles us so that some New-Yorkers wouldn't hesitate to 'beat' the road if it were in such an unintentional manner as you have done it." "I think I had better pay," said the Californian decidedly. And at Fourteenth street he left the train and said to the ticket chopper: "Somehow or other I have ridden un here how or other I have ridden up here from Chambers street without paying anything. "Saved a nickel, did yer?" "I want to pay now." paying anything. "Saved a micker, did yer?" "I want to pay now." "Hey?" "I say I want to pay for my ride." "Don't live in New York, do you?" "No." "Didn't come from Jersey or Brooklyn, did yer?" "No." "Where did you come from?" "California." "Convention?" "Yes." "Well, you go round to that window." "assed the channer "mlank down five gasped the chopper, "plank down five cents for a ticket, and come back and put it in this box. Then let me look at yer. I've chopped tickets goin on three years, but I never seed a man like vou before."

"There is one very peculiar thing about the laws of the Isle of Man," says a writer in the Louisville Courier-Journal. "It is the only country in the world, so far as I know, except the world, so far as I know except Iceland, which clings to the ancient customs of hundreds of years ago, of promulgating them from the top of the Thingwald hill, a mountain in the very center of the island. They must be read to the whole people from the Thingwald mountain, on the 5th day of July, before they are binding. Of course, there are some exercise exercises the day of the part of the secretary of the secretary of the secretary but the 5th day of binding. Of course, there are some special occasions, but the 5th day of July is the lawful day, and on the occasion, each year, 15,000 or 20,000 people assemble to hear the news read. This is something that is not the property that is not the course of people assemble to near the news read....This is something that, is not, generally known, I think, and is pe-cultar to the Isle of Man. The laws must be read in both the Manx and the English languages."

Mackerel in great numbers and of large size have struck the Maine coast.



Of Medicines is what I consider Hood's Sarsa-parilla. For 6 years I was confined to my bed with whites wellings and scrotule sores.

ir. To my great joy, th HOOD'S SABSAPAR.

Rousing Bloopers

In the olden time church services were so long prayers, hymns, and sermons—that it is no wonder that many of the hard-worked people in the congregations could not keerawake. Both in the old world and in the new various devices were resorted to for the purpose of benefits related. awake. Both in the old world and in the new various devices were resorted to for the purpose of banishing sleep from the church. Among these was not the modern one of making the services short and interesting. Our English fathers tried several methods of breaking up the offensive practice. One method was that known as "bob bing," a term thus explained by a writer in Notes and Queries: "My mother can remember Betty

Finch, a very musculine sort of woman, being the bobber at Holy Trinity Church in the year 1810. She walked very majestically along the aisles during divine service, armed with a great long stick like a fishingrod, which had a bob fastened to the end of it: and when she caught any sleeping or talking they got sleeping or talking, they got a 'nudge.

Doctor Thirlwall, Bishop of St. David's, gives in one of his "Letters" an amusing account of a Kerry custom

for awakening sleepers in church.
"It is by ancient custom a part of the sexton's duty to perambulate the church during service time with a bell in his hand, to look carefully into every pew, and whenever he finds any one dozing to ring the bell.

any one dozing to ring the ben.
"He discharges this duty, it is said. with great vigilance, intrepidity and impartiality, and consequently with the happiest effect on the congrega-tion; for as everybody is certain that if he or she gives way to drowsiness the fact will be forthwith made known through the church by a peal which will direct all eyes to the sleeper, the fear of such a visitation almost always sufficient to keep every one on the alert."

It is pretty certain that Corot, the French artist, did not paint more than 700 sketches, and yet there have been 12,000 examples of his work palmed upon a picture-buying public. which has only just begun to learn that auction-catalogued pictures are not always what they pretend to be

Pure and Wholesome Quality Commends to public approval the California liquid laxative remedy, Syrup of Figs B is pleasant to the taste and by acting gentir on

the kidney, liver and howels to cleane the system effectually, it promotes the health and comfort of all who use it, and with order to the best and only remedy.

Brooklyn N. Y., has six large hir ining in all shout 303,000 volume.

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If afflicted with sore eyes use Dr. isaac Thompson's Eye-water.Druggists seil at 26c.per bottle

Palo Alto's death leaves Stamboul, 2:11, the astest trotter on the Pacific Coast.

EVERY MOTHER

Pimples Blotches

wrong, and that nature is endeav-oring to throw off the impurities. Nothing is so beneficial in assisting mature as Swift's Specific (S. S. S.) It is a simple vegetable compound. harmless to the most delicate child, yet it forces the poison to the surface and eliminates it from the blood.

SSS M

I contracted a severe case of blood poison that unfitted me for business for four years. A few bottles of Swift's Specific (S. S. S.) cured me.

J. C. Jones, City Marshal, Futton, Arkansas

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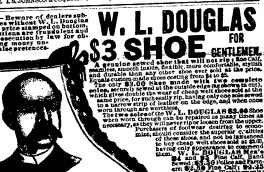
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