

"Whatever shall I do? I've missed the train and auntie will be so worried!"

Miss Minnie Harper had accepted her aunt's invitation to spend a week-end with
her and now in her anxiety to finish the last of her work at the office she had not noticed

Trained to think of the right thing in an emergency Miss Harper hurried to a nearby telephone booth and called her aunt. Fortunately she reached ner before she had left for the flag station and in a few seconds she had explained the situation and the station are stationary as the station and the station and the station are stationary as the station and the station are stationary as the station and the stationary as the stationary as the station are stationary as the stationar assured her aunt that she would certainly not miss the train next week-end if she

Science Notes

Land Drift Theory Opposed Brilliancy of Stars-Phosphorus and Tooth Decay

Why is it that similar animals and plants are found on both sides of the ocean? . The late Professor Alfred Wegener thought that the continents were once united, that they were torn asunder to drift apart, and that they are still floating about on a substratum of magma.

At last week's meeting of the Geological Society of America, held at Tulsa, Okla., Professor Bailey Willis of Stanford University opposed hard facts to this theory. One of them is the rigidity of the earth, greater than that of steel. Another is the absence of any conceivable forces to set continents adrift.

If the continents were not torn

apart; as Wegener supposed, how did animals and plants wander? Pro-fesor Willis found a clue in the Caribbean basin. Here geologic forces

bridge that once connected South Am erica and Africa. Today the ridge erica and Africa. Today the ridge lies under water two and three miles amount of heat given out each second, deep, yet it stands 6,000 to 8,000 feet above the bottoms of the adjacent base engines are nicely regulated. They sins. It required merely the usual can have only certain horse-power ratings. If a star generates too much lings. If a star generates too much of too little heat it begins to pulsate continuous isthmus and thus to pro-



When TEETHING makes HIM FUSSY

One of the most important things you can do to make a teething baby comfortable is to see that little bowels do their work of carrying off waste matter promptly and regular-ly. For this nothing is better than Castoria ,a pure vegetable preparation specially made for babies and children. Castoria acts so gently you can give it to young infants to relieve collo. Yet is always effective, for older children, too, remem er. Castoria contains no haret drugs, no narcotics—is absolutely drugs, no narcoucs—is absoluted, harmless. When your baby is fretful with teething or a food upset, give a cleansing dose of Castoria. Be sure you get genuine Castoria



ISSUE No. 3-132

vide a pathway for migratory plants be condemned, but if eaten in excess

Similar ridges are associated with rost of the oceanic deeps. The evi-dence is found in chains of islands in every ocean and which are much like those that were thrust up in the Gulf

BRIGHTNESS OF THE STARS

feasor Willis found a clue in the Caribbean basin. Here geologic forces were once at work lifting land cut of the deep and piling up mountains. Thus were Central America and the kethmus of Panama thrust up.

Following this Caribbean clue, Professor Willis discovered in what is called the Brazil-Guinea ridge a bridge that once connected South Am.

amount of heat given cut each second. From where magnolias blew.

only certain horse-power ratings. If a star generates too much
or too little heat it begins to pulsate
evidence of instability. It may even
explode. When it does the result is a 'nova" or "new star" of the type that now and then flares up in the heavens. Or the pulsating star may split in two. Thus are to be explained the

If you suffer from varicose veins, varicose ulcers, swollen legs, tender feet and other similar disorders, write for full information about ELASTO. Whether a star shall radiate stead-the famous treatment which has brought relief to thousands of men and women—free sample zent post free on request.

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PHOSPHORUS PREVENTS

TOOTH DECAY. While dentists are by no means willing to advocate the abolition of the toothbrush, the physiological chemists have convinced them that teeth decay for reasons that were not teeth decay for reasons that were not suspected twenty years ago. The Eskimos, for example, knew nothing of toothaches until they began to eat the white man's food. Latterly the the white man's food. Latterly the lack of certain vitamins has been nead responsible for decaying teeth. Dr. E. V. McCellum of John Hopkins now Steps forward with the results of stutolead another to think that that the results of stutolead another to think that that the results of stutolead another to think that that the results of stutolead another to think that that the results of stutolead another to think that the results of stutolead another to think that that the results of stutolead another to think the results of stutolead another to the results of stutolead another the results of stutolead another to the results of stutolead another to the results of stutolead another t lack of certain vitamins has been held dies that go back ten years and shows that it is actually possible to prevent teeth from rotting by means of phosphorus. In his work he was assisted by Dr. Henry Klein and Dr. H. G.

ther teeth will decay, and this is Jetermined by the chemical composition of the blood," says Dr. McCollum in

tooth Jecay to the action of external germs. They were not wholly wrong, that your hearer understands you. Give the germs their chance and enamel is caten away, whereupon the Nothing is of gree body of the tooth succumbs to attack, single day.—Goethe. Dr. McCollum found that saliva of the right constitution—not too acid ou makine-will protect the enamel and thus ward off the germs. But unless the saliva contains some osphorus, calcium and vitamin D t cannot serve its proper function.

We cannot eat phosphorous alon and expect it to find its way into the blood and thus into the saliva. This means a diet rich in milk, eggs, such green, leafy vegetables as spinach and cabbage, egg volks and followed cabbage, egg yolks and fish oils—all rich in either calcium or vitamin D. The old theory that sugar and starch ruined teeth had a certain justifica-tion. They are not in themselves to

able part of every submarine's equipment, and they are still as necessary in some "gassy" mines as "safety-lamps." The birds succumb to whifts those that were thrust up in the Guil in some "gassy" mines as "safetyof Mexico. There are bridges enough, in some "gassy" mines as "safetysubmerged or exposed, to explain how lamps." The birds succumb to whiffs of poisonous gases too slight to affect a man.

For over two and a half years Dr.

Gustaf Stromberg of the Mount Wilson Observatory has been studying the intrinsic brightness of 5,000 naked-eye stars distributed over the whole sky. As a result astronomers now know which of these stars are as bright as the sun and which are twice or three times as bright. Dr. Stromberg or three times as bright. Dr. Stromberg on study before the American Astronomical Society, which met last Monday and Tuesday in Washington, D.C. As a luminary the sun is a sorry spectacle compared with some of the stars that Dr. Stromberg measured.

Some experiments made by Professor Carl G. Deuber of Yale University show that the tomato plant is gases. A mere trace of illuminating to the younger lead peticles of the tomato hyplant to grow downward. The reason is to be found in a more rapid development of the cells on the upper portion of the peticle. According to gas which may at first be imperceptible to human beings, but which may spectacle compared with some of the stars that Dr. Stromberg measured.

Japanese Fan

It seemed like such a simple thing To unfurl a paper fan— But then I walked in gardens In far-away Japan.

I strolled beside a sleeping stream from the intrinsic brightness of a star and its surface temperature the total

I stepped across a crescent bridge And softly furled my fan-For I had walked in gardens In far-away Japan.

-Charlotte Champenois, in the Christian Science Monitor.

LEARNING

We are none of us infallible adopt our opponent's view; on the contrary, we may, by a closer examination of his notions, gain only a clearer insight into any fallactes, upon which they may be based, and thus be only confirmed in our own illiteracy is to be found among the thus be only confirmed in our own illiteracy is to be found among the view and in a better position to ex- Kazans, an eastern people of whom

is what you mean. Therefore an important question behind what you say is, What will another think I mean when I say this? An un-wise choice of words may cause "The quality of the saliva is the another to go astray, while he upportant thing in determining whemportant thing in determining whesay the right thing in the way to cause your hearer to understand your thoughts, as for you to mean Old-fashioned dentists attributed think ought to be understood by everybody. It is your duty to know

Nothing is of greater value than

hey crowd out the right foods. TOMATO TEST FOR POISON

Canaries were once an indispens

Some experiments made by Pro-fessor Carl G. Deuber of Yale Uni-

Hearts—Q, 6 Clubs—none Diamonds—no

need, Quarto or folio, as you please, An ancient Marlowe, foxed and A first HESPERIDES.

Although the little worm and blind Has pierced the binding or the page, And though the leaves be sered and

"Yet I am overmastered much touch

The poet's very soul."

—Clinton Scollard in "The Satur day Review of Literature."

Seventeen Million Adults To Learn "ABC" in Russia

MACDONALDS Fine Cut ; Canadas Finest Cigarette Tolacco with **ZIG-ZAG** papers attached In 10 ¢, 15 ¢, and 20 ¢ Packages



ARTICLE No. 5

That Auction and Contract and their alterdant rules are not yet standard ized throughout the country is well illustrated by the following request for decision from one of the writer's correspondents: "During a game of Anction the other night, one of the players threw his hand on the table and demanded a new deal, declaring that he had neither an ace nor face card. Another player claimed be was wrong as he should have waited till the trump was declared and then if he had neither an ace nor face card. Another player claimed be was wrong as he should have waited till the trump was declared and then if he had neither are ace face nor trump, he could have claimed a new deal. This point has caused considerable discussion and difference of opinion so please decide it for us."

Needlees to szy, a player must play the cards as dealt and the fact that they are all under a ten spot is no reason for a new deal. There never has been such a rule and it is rather surprising to have it advanced. It is a good example, however, of the wide spread popularity of Auction and Contract even among those who are not framiliar with the ordinary rules of the game.

The following hand has raised a curious question:

The following hand has raised a curious question:

The following name is a surprised by the clowing hand has raised a curious question:

The following hand has raised a curious question:

Problem Hearts—8 Clubs-none Diamonds-no Spades-K, 9, 5, 3

> Hearts-K, 9 Diamonds-

Diamonds—none
Spades—J, 6, 2

There are no trumps and Z is in the lead. How can, Y Z win three of the five tricks against any defense?
Solution: Z should lead the jack of spades and A should play the queen, although he knows that it must lose the trick. By so doing he retains his tenace in Y's suit. If he were to play his ace on the jack, he would leave Y with the tenace and Y Z would now win four tricks against and defense. A must play the queen of spades or else Y takes two tricks in spades. In other words, Y Z must win must play the queen of spades and Y three of the five tricks.

Old Books

"I have no craze for curios-A craving many folk affect, Grim idols ranged in grinning rows And bottles, twisted-necked.

But an old book, this meets my

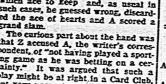
With the dull rust of age.

By feelings I may not control, As if there throbbed beneath my

We are none of us infallible, though so many of us fondly imagine oudselves to be so; but all have much to learn, must to unlearn; 17,000,000 adults who are there to and, if we are really sincere after truth, we should be willing to be enlightened, even if it be by the aid of an antagonist. It does not, however, by any means, necessarily follow that we shall be thus led to adopt our opponent's view; on the Moscow.-The Commissariat for

> steppes and desert between the Caspian Sea and the Chinese front-The wandering habits of the Kazaks have not been conducive to regular schooling. About 700,000 illiterates are still reckoned in Siberia; largely among the non-Russian aboriginal peoples, and in the Cau-casus and among the non-Russian people's of eastern Russia, such as the Bashkirs and the Tartars, illit-eracy is not uncommon. On the other hand illiteracy is said to have been completely stamped out in the pro-vinces around Moscow and Lenin-

The Commissariat for Education plans to form an "educational army" of 2,884,230 members, recruited from students, teachers, Young Communists and other volunteers each of whom will undertake to teach several illiterates or "barely literates."



deal more.

The writer was under the impression Hearts—K Clubs—none
Clubs—none
Diamonds—A, K, J, 10, A B:
9, \$8, 7, 6, 5, 4, 3, 2 Z
Spades—none
No score, rubber game. Z dealt and bid one no trump. What should A bid with the foregoing hand at either Auction or Contract? A should undoubtedly pass, hoping that Z will obtain the bid at no trump. In the actual play A did pass, also Y and B, so Z played
A did pass, also Y and B, so Z played

The writer was under the impression that the following problem was rather easy until one of hi: correspondents worde in regard to fi: "Cnly an "-trio" would call this problem simple." Why he selected an "ostrich" for comparation or Contract? A should undoubtedly pass, hoping that Z will obtain the bid at no trump. In the actual play A did pass, also Y and B, so Z played

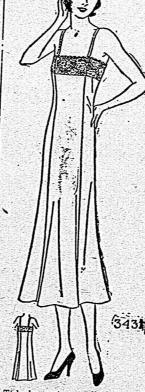
Notice The writer was under the impression that the following problem was rather easy until one of hi: correspondents worde in regard to fi: "Only an "-trio" wo

Hearts—10, 7, 4, 2 Clubs—none Diamonds—none Spades—10

What New York Is Wearing

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Illustrated Dressmaking Lesson Furnished With Every Pattern



Today's costume slips has its

Its unbroken line from bust to hear is particularly desirable as it does away with any conflicting lines to the outer garment.

It is shaped to mould the figure through the waist and the hips, wid-ening into a graceful width and flare

The upper part may be trimmed with wide lace or just a narrow It will take you acout one hour to

Style No. 3431 may be had in sizes 16, 18 years, 36, 38, 40, 42 and 44 inches bust. You will have a correct foundation for the slim silhouette frocks-

Size 36 requires 214 yards of 35-inch material with 114 yards of 514-HOW TO ORDER PATTERNS, Write your name and address plain ly, giving number and size of atterns as you want. Enclose 20c in

stamps or coin (coin preferred; wrap it carefully) for each number, and address your order to Wilson Pattern Service, 73 West Adelaide St., Toronto HELPERS

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-Faber.

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2 CHOICE QUALITIES - Red Label & Orange Pekoe

Owl Laffs

little more care and a little mor thought, little more co-operation and Safety is bought.

A little less kicking, a little less frown

A little more kindness when a man is little more giving of kindness of life.

A little more charity, and end all this strife. So for Safety and co-operation and a little less I,

Give the flowers in life-not wait till they die. Small Brother-"Betcha he'd kiss

Small Brother— Betche Action if I wasn't here."

Big Sister—"You bad, bad boy! Run away this instant"

Stranger-How old are you, little Bright Boy-"Damned if I know mister. Mother was twenty-six when I was born, but now she's only twenty-

Long drives down the fairways is one way a golfer may lower his score. Poor memory is another way. Be honest with yourself occasionally and see how it feels. The Optimist says: When every bone in your body aches be glad you are not a herring." be gian you are not a herring. It wouldn't be so bad to be poor if we could keep the distressing fact a secret. Sitting erect is one way of overcoming the usual deily fatigue of late afternoon but too few office workers practice the art. Did they say pros perity wuz aroun' the "corner" aroun' the 'Coroner?"

Sn Ikey-"Hey, papa, there's a fly

in my soup."

Dad Izzy—"Vell, Ikey, eat the soup until you come to the fly. Then tell the waiter and he'll give you anothe

His Lordship-"I wish you would quit driving from the back seat. Her Ladyship-"I will, when you quit cooking from the diring room

Then and Now In the old days when nights were cold t took two fleeces from the fold To dress a lady fair. But in these days of jazz and bob A little silk worm does the job With time galore to spare.

> Market Report Coffee-Weak. Onions-Strong. Elevators-Unsteady.

The older a man gets, the young the young people seem to be. To these interested in the elimination of un ecessary noises, we advance the in formation that the celery crop is unusually large this year. You can buy a new locomotive for \$100,000. But, like an automobile or a wife, it isn't the first cost, it's the upicep. Express your opinions, if you like, but advice should be delivered by slow freight. Some people talk so much that they resemble a woodpecker pecking on a tin roof. The woodpecker knows he is not accomplishing anything, but he enjoys the noise.

Mail Carrier (entering P. O.) — "Phew! Open a window. Why all the foul air in here?" P.O. Clerk-"Can't you see? I just found a couple of dead letters."

Jeff-"What is your worst sin, Mabel." My vanity. I spend hours before the mirror admiring by beauty."

Jeff—"That isn't vanity — that's imagination."

Rub-"So she refused to marry you Didn't you tell her about your rich Rub-"Yeah, I told her, and she's ny aunt now."

Last Saturday a charming woman wearing a smart new coat and hat, became aware that her husband was un usually attentive and was proudly introducing her to everyone he knew. 'He needn't take any credit." she said sweetly to a group of friends, 'bought them with my own money."

The Darling!



What a care he is, but how pre-cious! Your whole life is centred in him . . . If he is to be well and happy, he must be strong and robust. Baby's Own
Tablets help
mothers to keep
their children
well. They are
the ideal latative
for children

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25 cents a package at any druggist's. BABY'S OWN TABLETS (Dr. Williams') 175

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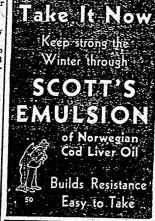
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TAMP COLLECTORS: TRY OUR 261 Cinerent 25c. Inventory Packets, 50c, \$1.60. KERRINPRO, Box 1252, Mont-

AS SHE LOST FAT SHE LOST PAIN

Like many others, this woman found that excess fat did not come alone. In her case it brought sciatica with it. She did not know that both troubles were due to a common cause—but she found they both gave way before one common remedy.

"I have been a marity to sciatica and kidney trouble for years. I took Kruschen for about a month, when people began telling me how well I looked. I have lost fat that was no good to me, and now, after three months of Kruschen, I only go 168 lbs. instead of 183 lbs. I'm not going to say lmy pains have all gone, but I do say I'm wonderfully well, and hope to improve yet. I bless the day I started Kruschen, I sell set the day the wastage and poisons that the internal organs to throw off each day the wastage and poisons that encumber the system. Then, little by lattle, that ugly fat goes—slowly, yes—but surely. The pains of sciatica and rietunatism cease. You feel wonderfully healthy, youthful, and energetic—more so than ever before in your life!



Famous Vegetable Pills Make Short Work of Indigestion

Work of Indigestion

"After the first dose I was made aware
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Because they are PURELY VEGETABLE, a gentle, effective tonic to both
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Liver Pills are without equal for correcting Constipation, Acidity, Billousness, Headaches, and Poor Complexion,
25c. and 75c. red packages. Sold
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EXCESS acid is the common of L'ACESS acid is the common cause of indigestion. It results in pain and sourness about two hours after calling. The quick corrective is an alkain which neutralizes acid. The best corrective is Phillips' Milk of Magnesia. It has remained standard with physicians in the 50 years since its invention.

physicians in the 50 years since its invention.

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