ARRIER IN
LORER'S PATH

VEREST, HIGH-
UNTAIN PEAK.

... Your husband,
... and Explorer,
... Its Agent.

Putting a Tape Line on the Stars

The measuring of the great star Betelguese is justly rated as one of the most remarkable achievements of astronomical science up to date. For Betelgueses, although many stars have been weighed, no method has been known whereby their size could be ascertained.

Sirius, for instance, the size of Sirius the dog star—so interesting to us by reason of its extraordinary brilliance and also on account of historical records concerning it, which date back to the days when the pyramids were built in Egypt—has never been accurately ascertained, though it is believed to be at least forty times as big as our sun and more than 100 times as bright.

Sirius, Phocyon and Betelgueses, as viewed from the earth, form a triangle in the night sky. But the dog star is nearer to us, as stellar distances go, so near that a ray of light, travelling 186,000 miles a second, would reach us only twenty-two years to reach us. Betelgueses is about eighty times as far away.

Our sun is a giant sun. If our earth were equally big, the path of the track which the earth follows in its journeys around the sun would be included in a central flaming mass. The sun is an average distance of 93,000,000 miles from the sun. Thus one can form a notion of the immensity of a great star which has been recently discovered.

It is to be supposed, however, that this is a relatively small star. The giant star is a ball of flaming gas, very large in its bulk. Once upon a time, perhaps, it was a dwarf. But our sun is evidently a dwarf. It has grown old, perhaps, but it has grown old very slowly, until now it is, one might say, in the prime of its youth.

Probably the most astonishing thing about the new star is the rapidity with which it has grown old. The gaseous matter of light-givers, called "dwarfs," Astronomers are of opinion that when a star, it is believed, has ceased to give off light and heat, it drinks and grows cold, or at least, it begins to cook.

It is not necessary to be an astronomer to understand the matter in a rough way. We call them "dwarfs." But this is a misnomer, and not to measure by their bulk, the giants are dwarfs in weight and the dwarfs are more dense. The known weights of many stars show that while one of them is ten times the mass of the biggest of them does not follow that it is ten times heavier in this respect or even much.

We look out beyond the confines of our universe, which we can see only with the aid of a telescope, behold the stars, the universes they are, and we realize that all of these are suns which appear to hang together in these clusters of nebulæ.

More than eighty-six of these nebulæ in form, with a crowding of stars toward the centre, have been observed and studied. One of them, known as "Messier 13," has a diameter of 350 light-years, so that a ray of light would take three and a half centuries to pass from one side to the other. And many of its suns are probably hundreds of thousands of times as big as our own orb of to-day. It would take 365 centuries for a light ray to reach us from Messier 13.

...w the New Cook Used Baking Powder.

...time English deep-sea fisher... not an epicure; still I was hospitable, but held his digestion as a man may and survive rather from Mr. Walter ...ith Sea Fishers and Fighting ...ance were heights, or rather ... kitchen gastronomy before which ... spirit quailed.

...ook on one of the sturdy ...acks of the past happened ... who had run away from ... maiden culinary effort ... "a pudding."

...ew ate it, but requested the ... make the next one with baking ...wder. The boy promised to do ... He did not know much about using ...ng powder, and there was no ...board competent to teach him; ... depended on his own resources ... inventiveness. He boiled the ... and, just before serving it, ...red a handful of the powder on ...

...ticisms of the diners were ...ed to me, concludes Mr. Wood, ... they cannot be recorded here.

Happy the man, in these days of ...age, who owns a house that is ...ither ugly nor uncomfortable! And ...pier still is the prospective builder ... will conform honestly to good ...ards for the new structure! We ... right for the good old days of ...ap materials and abundant labor, ... the responsibility for a pleasant ...w house is no less personal now ... formerly. Of course utility should ...ways be considered, but that is no ...ason why a house should not also ...have simplicity of line and good taste ...n ornament.

Used Autos

BREAKEY SELLS THEM; USED cars of all types; all cars sold subject to delivery up to 300 miles, or test run of same distance if you wish, in as good order as purchased, or purchase price refunded.

BRING mechanic of your own choice over, or ask us to take any car to city representative for inspection. Very large stock always on hand.

Breakey's Used Car Market
402 Yonge Street. - Toronto

The Bad Boy Proposition.

There are no bad boys. We make this statement confidently, knowing that it will be endorsed by educators and all who have spent their lives in working on the boy problem. We will defend it in spite of all the broken windows, stolen apples and canned dogs in Christendom.

There are weak boys, boys who lack resourcefulness, boys whose ideas of right and wrong are distorted, but there never was a boy who did not naturally—consciously or unconsciously do things that he believed to be right.

The trouble comes when parents, teachers and others who are responsible for the youngster's development fail to fill his time with useful activity. The forces of nature must operate. We cannot stop them while we take our afternoon nap. The wind must blow, the water must flow, and the boy's brain and muscles must work.

We put a wind-mill in the path of the wind and it draws water as joyously as it upsets the clairs on the verandah and whisks the family wash from the line. We put a water-wheel in the stream and it grinds the grain with the energy which it could otherwise dissipate in washing out its banks and rooting out the trees.

These things we know; yet we too often permit youthful energy, our most valuable asset, to run riot. We even attempt to dam it and then complain because it slops over and does damage.

The Boy Scout programme is the path in the stream of boyhood. It provides something useful for every boy to do every minute. Hunting, first aid and hiking, signalling, reading and tracking, fire-building and expert camp cooking, swimming, earning and saving money, hiking, map making and map reading, practical study of flowers, plants and trees, earth and stars are included in the Scout's programme for the year. After it is over a much better field is opened, including foundation work in all the professions and professions. "A boy's life is the most critical moment" in the starting point of whatever career he may make in the world. It is also a big opportunity of the man who is wise enough and patriotic enough to turn natural energy into constructive channels. Already over 250 Scoutmasters are directing the activities of some 9,000 boys in the province of Ontario, and the movement is only a little more than ten years old. Men interested in devoting part of their leisure time to this "nation building" work should write to Boy Scout Headquarters, Bloor and Sherbourne Sts., Toronto, for further information.

A WOMAN'S RIGHT TO GOOD HEALTH

Most Troubles Afflicting Women Are Due to Poor Blood.

To every woman belongs the right to enjoy a healthy, active life; yet nine out of ten suffer from some form of bloodlessness. That is why one sees on every side pale, thin cheeks, dull eyes and drooping figures—sure signs of headaches, weak backs, aching limbs and uncertain health. All weak women should win the right to be well by refreshing their weary bodies with the new, rich, red blood that promptly transforms them into healthy, attractive women. This new, red blood is supplied by Dr. Williams' Pink Pills, which reaches every organ and every nerve in the body. Through the use of these pills thousands of women have found benefit when suffering from anaemia, indigestion, general weakness and those ailments from which women alone suffer. Among the many women who tell of the good Dr. Williams' Pink Pills have done them is Mrs. L. Hicks, Round Hill, N.S., who says: "I became very much run down in health; my blood seemed weak and watery, my strength failed, and I was so easily tired that my work was a burden. I had often read about Dr. Williams' Pink Pills and decided to try them, and I can truly say that after using three boxes I found myself gaining, and under a further use of the pills all my old-time energy and vitality was restored. Out of my own experience I can strongly recommend this medicine."

You can get Dr. Williams' Pink Pills through any dealer in medicine or by mail at 50 cents a box or six boxes for $2.50 from The Dr. Williams' Medicine Co., Brockville, Ont.

The oak, which supplies one of the strongest timbers known, grows slowly, attaining a height of only 150 feet over a century.

Japan has 20 women journalists.

Minard's Liniment Relieves Distemper

Surnames and Their Origin

SLOANE

Variation—Sloan.
Racial Origin—Irish.
Source—A given name.

Sloan is one of the most ... family names in the world. ... it does, to a period shortly after the time of St. Patrick in Ireland, ... six or seven centuries before ... was any real tendency toward ... fixation of family names in England, and, indeed, some four or five centuries before many of the Irish clan names came into existence.

It was, like virtually all Irish clan or family names, derived from a given name by the addition of a word, signifying "descendants of" or followers of." Such names were commonly formed at any time when a chieftain achieved a sufficient following and respect to give him the proper power in that peculiar social organization of the ancient Celts in which blood-ties were the chief bonds.

It was in this manner that the name of Sloane originated, on the ... to prominence of one "Siollan," ... of "Eoghan-Caoch." The given name of "Siollan" means in Irish "the skinny one" or "the thin one," and was probably given as a result of characteristics displayed in the new-born infant. The clan name was formed by the combination of this name, inflected in the possessive case, with the word "na" or "ui," signifying descendants or followers. This word later came to be designated simply by "O." Thus, the Irish form of the clan or family name is "O'Siollan."

Sloane, of course, is but the Anglicized version of it, which in the course of transition from one tongue to the other, has lost one of the syllables and changed in spelling considerably, though the difference in pronunciation is not so great as might be imagined.

COOPER

Variations—Cowper, Copper, Turner.
Racial Origin—English.
SOURCE—An occupation.

The family name of Cooper is really the same as our modern word cooper, used to designate a barrel maker, and the family names of Cowper and Copper are but variations of it.

It does not follow that the original Coopers, Cowpers and Coppers, however, were all barrel-makers. In fact, the original coopers did not ply their trade at all in the same manner as the modern cooper. They did not make their products from staves and hoops. On the contrary, they worked mostly with the medieval ancestor of the modern turning-lathe, thus narrowly escaping bestowing the name of Turner upon their particular posterities, as did others of their co-workers.

Our modern word "cup" is, so to speak, the first cousin of the modern word "cooper," and really is a more direct descendant of the medieval word. They made them for all purposes and in all sizes, and out of a great many different materials, though for the most part out of wood, though sometimes out of metal. Chaucer has a passage which explains that wood was a material they often worked in because it was easily turned.

Surnames of such names as "Adam le Cuppere" and "Richard le Cuppere," as well as the forms "le Cuppere" and "le Cowper" and "le Coopere, are to be found in the tax and census records which have come down to us from medieval times in England.

The Saving in Health
along with the saving in cost, attracts many a tea or coffee drinker to
INSTANT POSTUM

Try a tin
"There's a Reason" for Postum

A Winter Night.

As I strode down the long slopes of the road
Between the pastures, all was flawless white,
Save where the lofty pines upon the height
In the pale moonlight like dark statues showed.
The little woodland stream that by me flowed,
And sang in springtime as in sheer delight,
Was silent now as is an eremite
Who broods on God in his austere abode.

I was alone, yet I was not alone,
For some mysterious spirit called to me
Out of the night in an exalted tone.
That was as rapture blent with melody,
"Wait for a time when to thee shall be shown
What seemeth sorrow meaneth ecstasy!"

Wisps of Wisdom.

The greatest of faults is to be conscious of none.

The thunder of business often sours the milk of human kindness.

Yesterday has gone, to-morrow may never come; do it to-day.

Prefer diligence before idleness, unless you esteem rust before brightness.

Education is life's apprenticeship; its chief aim is to teach us how to think.

Success is a thing that some are content to envy in others—and some achieve for themselves.

When a man hasn't a good reason for doing a thing, he has one good reason for letting it alone.

If you lack confidence in your own judgment, you can't blame other people if they share the feeling.

The man who wins is the man who holds on until he can hold on no longer—and then doesn't give up.

Let the man who has to make his fortune in life remember this maxim: Dare, and the world always yields. If it beats you sometimes, dare it again and it will succumb.

Garden Seeds Needed.

To plant a 100-foot row of vegetables in the garden, buy seeds as follows: Beans, one pint; beets, two ounces; cabbage, one packet; carrots, one ounce; cauliflower, one packet; celery, one-fourth ounce; Swiss chard, two ounces; sweet corn, one pint; cucumbers, one ounce; egg-plant, one-half ounce; kohl-rabi, one packet; lettuce or mustard, one-half ounce; muskmelons, okra or onion seeds, one ounce; onion sets, one quart; parsley, one packet; parsnip, one ounce; peas, one to two pints; peppers, one packet; potatoes, six to seven pounds; pumpkins, radishes, salsify, spinach or squash, one ounce; tomatoes, two packets; turnips, one-half ounce; watermelons, one ounce.

STORMY WEATHER HARD ON BABY

The stormy, blustery weather which we have during February and March is extremely hard on children. Conditions make it necessary for the mother to keep them in the house. They are often confined to overheated, badly ventilated rooms and catch colds which rack their whole system. To guard against this a box of Baby's Own Tablets should be kept in the house and an occasional dose given the baby to keep his stomach and bowels working regularly. This will not fail to break up colds and keep the health of the baby in good condition till the brighter days come along. The Tablets are sold by medicine dealers or by mail at 25 cents a box from The Dr. Williams' Medicine Co., Brockville, Ont.

After the Storm.

One of the soldiers of the Rainbow Division, United States, had been boasting to a British Tommy about its glories.

"Lumme!" said the Tommy. "I know why yer calls it hat. Rainbows is things that comes out after the storm's over, ain't they?"

MONEY ORDERS.

Send a Dominion Express Money Order. Five Dollars costs three cents.

Whale of a Fish Story.

At a convivial gathering in connection with an angling club a sailor listened attentively while the members told of the big fish they might have landed had not their lines given way at the critical moment. The manner in which they recounted their exploits would have brought tears to the eyes of the most hardened story-teller.

But a sailor never knows when he is beaten.

"Well, mates," he began. "I never did any fresh-water fishing, so I expect you are telling the truth. But I remember on one occasion, having nothing better to do, we cast a line at sea and awaited results. Soon we got a bite, but for the life of us we could not bring in our catch. Then an idea struck us. We fastened the line to the windlass and proceeded to haul in, when the boat gave a lurch, the line broke, and the monster escaped."

One of the company, with biting sarcasm, suggested that it must have been a whale.

"A whale, be hanged!" replied the sailor; "we baited with a whale!"

AUTO REPAIR PARTS

for most makes and models of cars. Your old, broken or worn-out parts replaced. Write us when describing what you want. We carry the largest and most complete stock in Canada of slightly used or new parts for automobiles of all kinds. We ship to any address in Canada. Satisfaction guaranteed. Send in full our model. Shaw's Auto Salvage Part Supply, 272-281 Dufferin St., Toronto, Ont.

Japs Are Fond of Metaphor.

Judging from some specimens quoted not long ago in the Journal des Débats, the Japanese employ a wealth of metaphor when advertising their wares. A Tokio stationer announces that "the paper I sell is as solid as the hide of an elephant." A fishmonger promises to deliver all orders at customers' houses with the rapidity of a shot fired from a rifle. "My extra special vinegar," a grocer declares "is as sour as the tongue of the most shrewish mother-in-law." A large multiple shop begs the public to "come into our stores. You will meet with an overwhelming welcome. Our assistants are as amiable as a father who is trying to marry off his daughters without giving them any dowry. You will always be greeted as cordially as a spell of sunshine coming toward the close of a pouring wet day."

Sandalwood.

Sandalwood is the production principally of the native state of Mysore, India, and the district of Coorg, in both of which places the industry is almost a monopoly of the government forest reserves. Due to the development of the sandalwood oil extracting industry, the exportation of the wood has steadily declined, while that of the oil has increased.

Sandalwood is the most famous of all scented woods. Its use for perfumery and incense dates back thousands of years. The later Greek considered it one of the greatest luxuries, and no festivities were complete without it. Sandalwood figures prominently in religious ceremonies and burial rites in China and other Oriental countries.

"Pape's Diapepsin" for Indigestion.

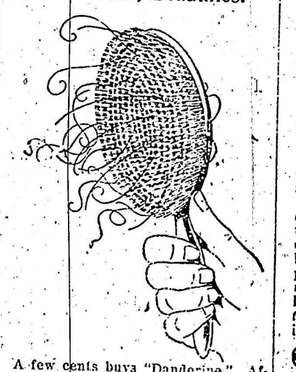
"Pape's Diapepsin" is the quickest, surest relief for Indigestion, Gases, Flatulence, Heartburn, Sourness, Fermentation or Stomach Distress caused by acidity. A few tablets give almost immediate stomach relief and shortly the stomach is corrected so you can eat favorite foods without fear. Large case costs only 60 cents at drug store. Absolutely harmless and pleasant. Millions helped annually. Largest selling stomach corrector in world.—Adv.

I never saw so many fields yellow with mustard as I did last summer. One thing is sure, we can not buy seed at random and expect all timothy or clover. A careful analysis is the only thing that will settle the question of mustard and other foul seeds or good grass seed. We have only to put a big spoonful in an envelope, address it to the Dominion Experimental Farm, and back will come the correct analysis. Then it is our fault if we have fields of mustard after that.

The large farms in South Lincolnshire, England, are so perfect that they are more like factories than farms.

Those Having Sick Animals
SHOULD USE
MINARD'S "KING OF PAIN" LINIMENT
Good for all throat and chest diseases, Distemper, Garget, Sprains, Bruises, Colic, Mange, Spavins, Running Sores, etc., etc. Should always be in the stable. SOLD EVERYWHERE.

America's Pioneer Dog Remedies
Book on
DOG DISEASES
and How to Feed
Mailed Free to any Address by the Author.
H. Clay Glover Co., Inc.
118 West 31st Street
New York, U.S.A.

DANDERINE
Stops Hair Coming Out; Thickens, Beautifies.

A few cents buys "Danderine." After a few applications you cannot find a fallen hair or any dandruff, besides every hair shows new life, vigor, brightness, more color and abundance.

BITS OF HUMOR FROM HERE & THERE

Oh, For One Fault!

"How do you like your new car?" asked Jack Driver.

"Great!" replied Mr. Rhode Gent. "It runs so smoothly you can't feel it. Not a bit of noise; you can't hear it. Perfect ignition; you can't smell a thing. And speed—why it whizzes! You can't see it."

"Must be some car," ventured Jack Driver. "Can't feel it, can't smell it, can't hear it, can't see it—how do you know it is there?"

Had An Inkling.

"Agnes, dost thou love me?" asked a Quaker youth of one at whose shrine his heart's holiest feelings had been offered up.

"Why, Jack," she answered, with a downcast look of her eyes, "we are commanded to love one another, are we not?"

"Ay, Agnes, but dost thee regard me with the feeling the world calls love?"

"I hardly know what to tell thee, Jack. I have greatly feared that my heart was an erring one. I have tried to bestow my love on all, but I have sometimes thought, perhaps, that thee was getting rather more than thy share."

"Cascarets" To-night For Constipation

Just think! A pleasant, harmless Cascaret works while you sleep and has your liver active, head clear, stomach sweet and bowels moving as regular as a clock by morning. No griping or inconvenience. 10, 25 or 50 cent boxes. Children love this candy cathartic too.

The ideal soil for a peach-orchard is a warm, gravelly hillside. Even sandy soils are excellent for peach-growing if the sand is not too fine and the drainage bad. Heavy, cold clay soil is unsuited to the peach. Plum trees are naturally adapted to stiffer soils than the peach.

You are not capable of correct judgment, of using good sense, when there is fear or doubt or despondency in your mind. Sound judgment comes from a perfectly working brain.

For cold in the Head and Chest use
BAUME BENGUÉ
has immediate effect.
BEWARE OF SUBSTITUTES
$1.00 a tube.
THE LEEMING MILES CO., LTD.
MONTREAL
Agents for Dr. Jules Hengue's
RELIEVES PAIN

ASPIRIN
Only "Bayer" is Genuine
BAYER
Warning! Unless you see the name "Bayer" on package or on tablets you are not getting Aspirin at all. Take Aspirin only as told in the Bayer package for Colds, Headache, Neuralgia, Rheumatism, Earache, Toothache, Lumbago and for Pain. Then you will be following the directions and doctors worked out by physicians during twenty-one years and proved safe by millions. Handy tin boxes of twelve Bayer Tablets of Aspirin cost few cents. Druggists also sell larger packages. Made in Canada. Aspirin is the trade mark (registered in Canada) of Bayer Manufacture of Monoaceticacidester of Salicylicacid.

USE SLOAN'S TO WARD OFF PAIN
You can just tell by its healthy, stimulating odor, that it is going to do you good
"IF I only had some Sloan's Liniment!" How often you've said that! And then when the rheumatic twinge subsided—after hours of suffering—you forgot it!
Don't do it again—get a bottle *today* and *keep it handy* for possible use tonight! A sudden attack may come on—sciatica, lumbago, sore muscles, backache, stiff joints, neuralgia; the pains and aches resulting from exposure. You'll soon find warmth and relief in Sloan's, the liniment that *penetrates without rubbing*. Clean, economical. Three sizes—35c, 70c, $1.40
Sloan's Liniment (Pain's enemy)

Classified Advertisements.

AGENTS WANTED.

AGENTS WANTED—GOOD PROFITS ... to represent old ... company whose policy ... Write ... Toronto.

AGENTS WANTED—BLISS NATIVE Herbs is a remedy for the relief of Constipation, Indigestion, Biliousness, Rheumatism, Kidney Troubles. It is well-known, having been extensively advertised ... It was first manufactured in 1888 ... distribution of large quantities of ... Cook Books, Health Books ... which are furnished to agents free of charge. The remedies are sold at 25c a pkg. ... that allows agents to double their money. Write Alonzo O. Bliss Medical Co., 121 St. Paul St. East, Montreal. Mention this paper.

MISCELLANEOUS.

THE TORONTO FREE HOSPITAL, near Weston, Ontario, in affiliation with Bellevue and Allied Hospitals, New York offers to young women desirous of becoming qualified nurses a three-year course of general training; attractive residence, single rooms. For salary and other information apply Lady Superintendent, Toronto Free Hospital, Weston, Ontario.

Wise Men Say:

The inner side of every cloud
Is bright and shining.
I therefore turn my clouds about,
And always wear them inside out
To show the lining.

Minard's Liniment for Dandruff.

Embroidery in Madeira.

The Island of Madeira almost lives on its embroideries. More than 10,000 are engaged in the work. Ninety per cent. of the embroidery, amounting in 919 to a value of $1,780,799, goes to the United States.

The first national census of Japan was taken last month.

CORNS
Lift Right Off without Pain
Drop a little "Freezone" on a painful corn, instantly the pain is gone, then ... hurting, then the corn ... right off with fingers. ... Your druggist ... a tiny bottle of "Freezone" for ... to remove every hard corn, soft corn, or corn between the toes, without soreness or irritation.

DON'T DO THIS!

LEOPARD EAR OIL
RELIEVES DEAFNESS and STOPS HEADNOISES. Simply Rub it Back of the Ear and Insert in Nostril. Proof of success will be sent to the deaf free.
MADE IN CANADA
ARTHUR SALES CO., Sales Agents, Toronto
A. D. Leonard, Inc., Mfrs., Detroit, U.S.A.

Make Shaving a Pleasure With Cuticura Talcum
After shaving with Cuticura Soap, dusting with Cuticura Talcum adds the finishing touch of daintiness and refreshing comfort ... Sample free. Address: Cuticura Soap ... Boston.

MOTHER!
"California Syrup of Figs"
Child's Best Laxative

Accept "California" Syrup of Figs only—look for the name California on the package, then you are sure your child is having the best and most harmless physic for the little stomach, liver, and bowels. Children love its fruity taste. Full directions on each bottle. You must say "California."