

JOURNEY TO MOON BY RADIUM ENERGY

FRENCH SCIENTIST SAYS
IT'S COMING.

Problem is to Control Speed of
4,000 Feet a Second and
Assure Respiration.

How near is modern science to a realization of the fantastic dreams of H. G. Wells and Jules Verne on the exploration of interplanetary space? Robert Esnault-Pelterie, whose "Considerations on the Results of Indefinite Speed of Motors" was published in 1913, after saying that voyages between the stars at present are impossible to man, adds significantly: "Only one discovery is necessary, namely, some physicist must master the nature of the energy given off by radium. Then it will not be five years before exploration of the moon, Venus and Mars is possible."

M. Esnault-Pelterie begins by saying that he deals only in planetary vehicles inhabited by living beings. The energy concealed in radium, if properly controlled, supplies all the power required for a voyage to the moon. Every known factor of the problem is being studied by M. Esnault-Pelterie, who says:

"If a projectile leaves the earth, going at least 4,000 feet a second, the projectile would never return, for while its speed diminishes under the earth's attraction, it would soon pass out of that influence. Save for the energy revealed by radium we possess no possibility for generating such speed. Radium offers a power of 5,760 times that of the aggregate force developed by all our high explosives.

Physiological Difficulties.
"Granting that such speed may be controlled, next is the problem of keeping alive in interplanetary spaces. Aeronautics have taught us much in the last decade. Once out of the earth's attraction it is easy, of course, to keep a machine going anywhere—to the moon or to Venus—because there is no resistance.

"Here appear physiological difficulties, however, for experience shows that when propulsion ceases human beings, even when supplied with oxygen, have the sensation of being in a void, which interferes with respiration, and, if prolonged, probably would affect the heart. It is necessary, therefore, in order to provide artificial acceleration, to give human beings the sensation of a normal relation of their weight to the earth."

To My Mother.

As a pure stream, whose silver-bright caress
Quickens her thirsty brink, your way you went,
One tireless purpose and one sole content:
To find the folk unloved, and cheer and bless
Such as had only heard of human happiness.

Not all the deepening shades of your own woe
Could blind your vision to another's pain,
Your tender quest and sure response restrain,
Or bate the toil that you would undergo.

Compassion swift to bring and gentle ruth bestow.

Now stilled the generous heart that never beat
For self in all your length of fruitful years;
And shut the eyes that shed not many tears
For your own sorrows; stopped the ready feet
That on a thousand roads your mercy made so fleet.

I was your first-born son and me you bore
To share through half a century of time
Your gracious days, to see your hope sublime.
Your gracious days, to see your hope sublime.
Rejoicing that a widowed love of yore
Had fashioned me a part of you for evermore.

Mother, you win the song of human praise
For righteous souls who wrought and now are gone,
Unto Faith's Household add a precious one.
And, in the after-glow of your good days,
Lift up some patient hearts still beating on their ways.

—Eden Phillips.

Not Far Wrong!

A little London boy was visiting Scotland for the first time. One afternoon he suddenly left the hotel window in great excitement as a Highlander came down the road, playing the bagpipes.

"Mother mother!" cried the little boy. "Come quick! There's a man outside with a dead pig that sings."

Blanket tossing is a favorite sport among many of the Eskimos.

ELECTRICIAN SAYS HE ALMOST FELL

BECAME SO WEAK AND
DIZZY HE COULD
HARDLY WORK.

Now Well and Strong, He
Says Tanlac Will Help
Anybody.

"Tanlac rid me of about as bad a case of stomach trouble as a man ever had," said J. A. Deslauriers, 119 Beaudry St., Montreal. "My appetite little I did manage to eat but I had terrible cramping, pains, gas formed and pressed against my heart until it pelted terribly. I felt weak and dizzy that many times I could hardly worn out all the time and became so dizzy that many times I could hardly going down to nothing in spite of everything I could do.

"My first bottle of Tanlac convinced me it was the very thing I needed and six bottles have me feeling like a new man. I have a big appetite, eat what I want, and am entirely free from indigestion. I believe Tanlac will help everybody who tries it."

Tanlac is sold by all good druggists. Advt.

Minard's Liniment Relieves Neuralgia

Watching it Work.

A wonderful invention called the ocelloscope has set everyone talking about its peculiar possibilities. It is a new appliance which has the illusory effect of slowing down the apparent speed of a swift engine to a mere crawl.

The device operates a certain kind of electric lamp which, when shone on, say, the swiftly operating needle of a sewing machine, makes it appear as if that particular part of the machine is dawdling at a snail's pace.

By its use the actual working of high speed pistons and other engineering parts can be observed, and this, of course, is a great advantage to engineers.

The light of this strange lamp is not continuous although it appears so to the human eye. Actually, it sends out a constant series of flashes of one millionth of a second duration.

By adjustment, the flashes light up the movement of the machine at certain fixed intervals, and thus one hundred revolutions per second appear as only a single revolution per second.

In fact, the human eye is deceived by an optical illusion, receiving a number of impressions as only one impression.

The earliest example of needwork known to exist dates back 3,500 years. The oldest operated mine in the world is in Sweden. It was working in A.D. 1225.

"The blackest lie ever hatched is to say, 'once a thief always a thief.' Res- pectable people who draw away from the unfortunate and declare there is no hope for them are doing much to make professional criminals.

Once a person starts in the wrong direction there are plenty to help keep him going. The worst thing about it is the feeling of hopelessness that seizes so many first offenders; in place of bracing up for a new start, they yield to the forces that are dragging them under, and keep on going from bad to worse."

A GOOD MEDICINE FOR THE BABY

Nothing can equal Baby's Own Tablets as a medicine for little ones. They are a laxative, mild but thorough in action, and never fail to relieve constipation, colic, colds and simple fevers.

When a mother has used them she will use nothing else. Concerning them Mrs. Saluste Pelletier, St. Damas des Avalines, Que., writes:—"I always keep a box of Baby's Own Tablets in the house. They are the best medicine I know of for little ones and I would not be without them." The Tablets are sold by medicine dealers or by mail at 25c a box from The Dr. Williams' Medicine Co., Brockville, Ont.

A Little Knowledge.
Two Japanese words, very similar in sound and spelling, have very different meanings. One means "ridiculous," and the other "splendid."

A visitor to Tokyo was proud of his linguistic attainments, but he did not fully appreciate the importance of the difference between the two words.

He mixed them up most fatally, as the following instance will tell.

One day he had occasion to go to felicitate a Japanese colleague on the arrival of a new baby.

The European visitor spoke in fluent Japanese something to this effect: "I hear, sir, your wife has a new son. How ridiculous!"

Succeed in Producing Unbreakable Glass.
According to recent reports, a Bohemian inventor, after 13 years of research, has succeeded in producing unbreakable glass. At a recent demonstration, it is said, plates and vessels of the material remained whole when thrown to the ground from a height of 12 feet. Meat was roasted on a thin glass plate over an open fire at a temperature of 750 degrees F.

Tin was melted in a glass pot, and nails were driven in a piece of hardwood, using a piece of glass for a hammer.

Only 2 per cent of the population of Kingston, Jamaica, are white.

LINGERING WEAKNESS FOLLOWING DISEASE

Due to the Fact That the Blood
Has Become Thin and Watery.

In almost every case the victims of la grippe, influenza, fevers and contagious troubles, are left weak, ailing and despondent after the disease itself has disappeared. They do not pick up strength as they ought, and remain tired, listless and discouraged. The only reason for this is that the blood has been impoverished by the ravage of the disease through which the victim has passed. Strength and full activity will not return until the blood has been restored to its normal condition.

The blood can be enriched and purified quickly and surely by Dr. Williams' Pink Pills. To enrich the blood and strengthen the nerves is the whole mission of these pills, and thousands have found them beneficial after a disease has left them weak and run down. Among those who have proved the value of these pills in cases of this kind is Mr. Charles A. Turner, light-keeper, Thrum Cap light station, N.S., who says:—"In Jan., 1917, I took a severe cold which I neglected until it developed into pneumonia, which confined me to bed for some weeks. When I was able to get up and sit around the house, I found that I was not regaining my usual strength; in fact I seemed to be growing weaker and was reduced almost to a skeleton. I took an emulsion, but it did not help me. Then one day a friend who came to see me said, 'Here's some Dr. Williams' Pink Pills; just the thing to put you on your feet again.' I took them and then got six boxes more and soon could feel they were helping me. By the time the last box was empty I was doing my work again and feeling fine, and I had gained in weight. My health has since continued good, and I give the credit to Dr. Williams' Pink Pills."

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

When the Kettle Sings.

The same thing that enables us all to sing makes the kettle sing—vibration.

Water exists in three states—solid, liquid, and gas. Solid ice—liquid water—all know. Water vapor is always being formed, but it forms most readily when the water is at a temperature of 212 deg. Fahrenheit—in other words, when it is boiling.

In a kettle of boiling water, water vapor is being formed so quickly that it has to force its way out, and it "elbows its way" so unceremoniously that it makes the sides and top of the kettle vibrate. The air vibrates in sympathy, and the air waves pass to your ears. Then you say the kettle is singing.

MONEY ORDERS.

When ordering goods by mail send a Dominion Express Money Order.

Rose Lore.

It is probable that a greater amount of love has attached itself to the rose, England's national floral emblem, than to any other flower.

The Syrians take the rose as their emblem of immortality, and in China it is planted over graves—a custom which is also favored to some extent in this country.

Persians believe that on a certain charmed day—a secret which but few have ever discovered—the rose has a heart of gold.

If in a garden a white rose blooms in late autumn, the belief is widespread that some member of the household will shortly die—a maid in her teens, for choice.

To get good luck in any undertaking which concerns itself with love, rose leaves should be thrown on the fire, and a wish murmured as they curl and die.

In Germany the custom still prevails of girls carrying a rosebud in the breast to ensure the fidelity of their lovers, and in most European countries rose leaves are used to discover which, out of many lovers, is the true one.

Finally, there is the queer belief that a red rose will not bloom over a grave until the person who planted it is dead.

The Road to Mandalay.

It is a green and leafy road, pleasantly restful to the eye after the yellow serenity of most of northern India. There is yellow here, too, for of the 365 miles of the way—the way up from Rangoon by the one meter gauge line of the Burma railways—the greater part runs through one vast rice field, a wilderness of paddy, and the rice has just been cut and is being threshed.

The agricultural laborer and the menfolk of the very poor may be dressed only in single strip of cotton cloth of dirty white, being naked down to the waist; but the costume of the great mass of the people of both sexes—the white jacketlike garment above and bright colored petticoat skirt below—is eminently picturesque and graceful. It is astonishing also how far down one goes in the social scale before reaching the point where, at least on holidays, the skirt is not of silk, and it is this almost universal use of silk in every imaginable shade of the tenderest blues and greens, pinks and apricot and maize, that gives the Burmese crowd its distinctive appearance. The gay, small turbans of the men and the coiled black hair of the women, always with a bright spray of flowers, and often richly jeweled, are both becoming and attractive head-dresses.

The Burmese—especially the women—seem never to talk together except with constant ripples of laughter, and the children are a joy. Like the high born Manchu girl among the Chinese, the well bred Burmese girl is of the most delicate porcelain, almost too dainty and frail to handle, and some of the small maidens who have been put forward to present bouquets to the Prince have been the loveliest little dream dolls imaginable. It is a good road, this road to Mandalay.—London Times.

Spherical Electric Fan Throws Air Radially.

Unlike the ordinary electric fan, a fan, spherical in form, recently patented, is so designed that it throws the air radially from it in every direction. This is made possible by a construction of the fan blades so that the air is drawn in from above and below the fan, and then thrown out again in a radial stream of the width of the blades.

Minard's Liniment for sale everywhere Preserves Fruit.

The invention is claimed in Australia of a chemical solution for treating some fruits to enable them to be stored for long periods without refrigeration.

Africa has 30,000 miles of railway. A friendship that makes the least noise is often the most useful, for which reason I prefer a prudent friend to a zealous one.—Addison.

Classified Advertisements

AGENTS WANTED.
MEN—WE WANT REPRESENTATIVES in every city and town in Ontario to sell automobile stop signals; positively prevents accidents; every car owner a prospect; easy to sell; big proposition. Canadian Auto Shops, P.O. Box 164, Niagara Falls, Ontario.

AMAZING INVENTION. MAKES bright with sensational carburetor; generates intense gas light; quick sales. Vapelite Co., Ayr, Ontario.

NURSES WANTED.
NURSES WANTED FOR TRAINING School in charge of graduates of Johns Hopkins Hospital, Apply Superintendent, Homewood Sanitarium, Guelph.

WANTED—YOUNG LADIES of good education to train as nurses. Apply Welland Hospital St. Catharines, Ont.

BELTS FOR SALE
ALL KINDS OF NEW AND USED belting, pulleys, saws, cable, hose, packing, etc., shipped subject to approval at lowest prices in Canada. LINDSAY CO., 115 YORK STREET, TORONTO.

Bees will not swarm without their queen.

True wisdom lies in gathering the precious things out of each hour as it goes by.—Emily S. Boulton.

COARSE SALT LANDSALT
Bulk Carlots
TORONTO SALT WORKS
G. J. CLIFF - TORONTO

America's Pioneer Dog Remedies
Book on
DOG DISEASES
and How to Feed
Mailed Free to any Ad-
dress. Write to Author,
E. Clay Glover, G. Box,
129 West 24th Street,
New York, U.S.A.

NOTHING TO EQUAL
MINARD'S
"KING OF PAIN"
LINIMENT
For Sprains and Bruises.
The first thing to do when you have an injury is to apply Minard's famous Liniment. It is a miracle, soothing, healing, and gives quick relief.

WOMAN TOO WEAK TO WALK
Now Works Nine Hours a Day—
Lydia E. Pinkham's Vegetable Compound Restored Her Strength

Union Village, Vt.—"I was weak and nervous and all run-down. I could not walk across the floor without resting and I had been that way for weeks. I saw your advertisement in the paper and after taking one bottle of Lydia E. Pinkham's Vegetable Compound I felt the good it was doing me and I took seven more in all. Before I finished I was able to work nine hours a day in a steam laundry. I cannot say too much in favor of your medicine. I trust all sick and suffering women will take it. It has been two years since I took it and I am strong and well."
—Mrs. L. A. GUMANN, Union Village, Vermont.

This is only one of such letters we are continually publishing showing what Lydia E. Pinkham has done for women, and whether you work or not Mrs. Gumann's letter should interest you.

Many women get into a weak, nervous run down condition because of ailments they often have. Such women should take Lydia E. Pinkham's Vegetable Compound at the first sign of trouble. Good health is necessary and this splendid medicine will help you to keep it.

Surnames and Their Origin

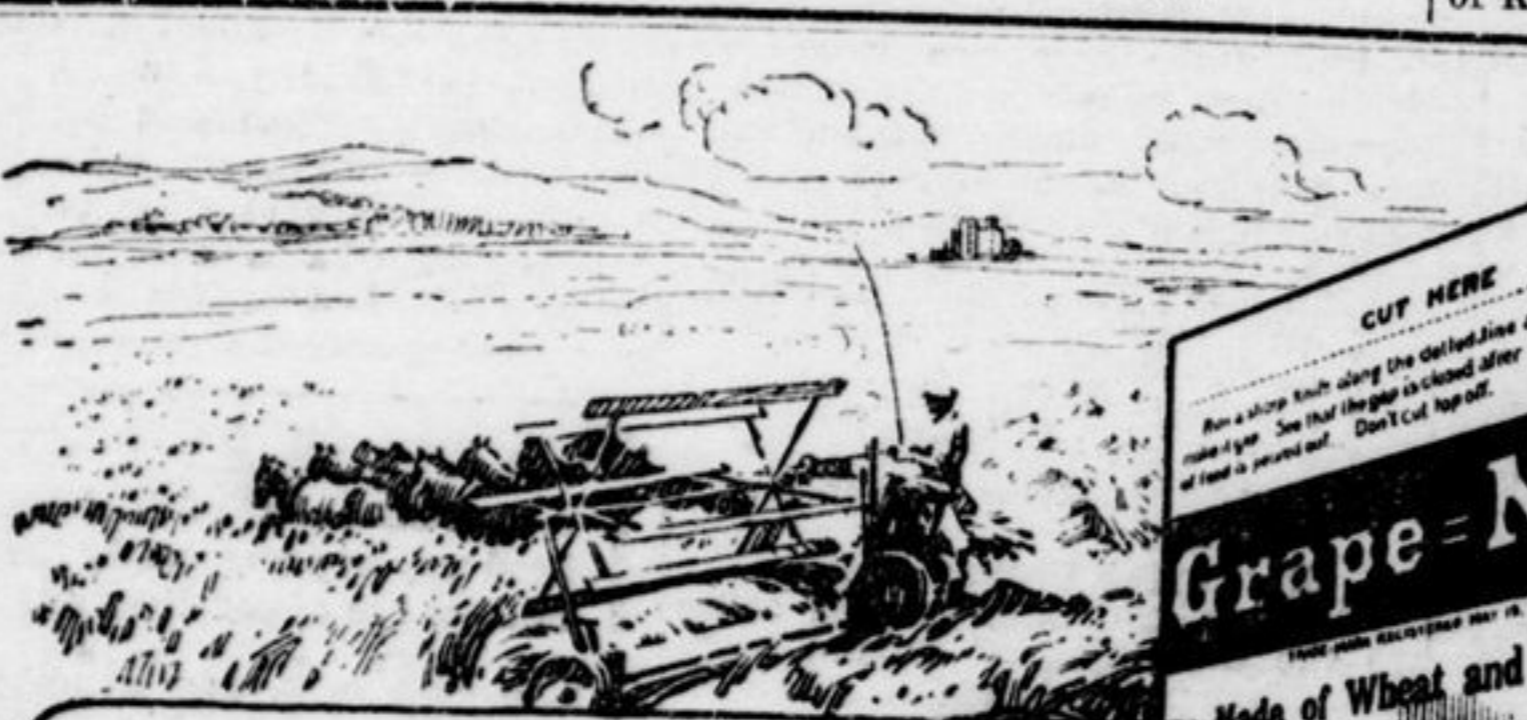
GOODLIFFE
Variation—Goodlife.
Racial Origin—English.
Source—A given name.

In view of the freedom with which nicknames were used in the Middle Ages as surnames, in the period before family names, as we know them to-day, had become a general custom, one might be pardoned for assuming that this family name was at first a surname bestowed upon some individual or individuals as a result of the kind of lives they led.

The theory, however, does not hold good in the light of more careful investigation. This is not to say that the family name could not or did not originate in this manner in certain instances. It means only that there is another source, and one which, from all the evidence available, appears to account for the name in the greater number of instances.

"Guthlaf" was a given name among the Anglo-Saxons, and by no means an uncommon one. Remember that the Anglo-Saxons did not give the "th" sound that we do to-day, though they had begun to approximate it. Remember, too, that the "u" with them had the sound of our modern "oo," and that in this name the accent on the first syllable, which would tend to make the pronunciation of the "a" in "life" indistinct. The change to Good-life, therefore, is not so great as it might seem upon first consideration. The spelling Goodlife, of course authentic, is due to the similarity of the more authentic spelling to the combination "good-life."

"Gilchrist" was a given name which meant "Servant of Christ." Among others, a chieftain who was the brother of the founder of "Seanloch," the O'Shanly clan, bore it. This "Gilchrist" or Gilchrist was the founder of the MacGilchrist line.



Here's a real treasure from Nature's storehouse

GOOD old Mother Nature has placed in wheat and barley the wonderful food properties which build and sustain life and health.

Many so-called "refined" foods are robbed of vital elements which the body needs.

Grape-Nuts—that famous wheat and barley food—brings you all the natural goodness of the grains in perfected form, with a crispness and flavor that charm the appetite.

You will find Grape-Nuts an ideal dish for breakfast or supper-time. Ready to serve from the package, with cream or good milk.

Order Grape-Nuts from your grocer today.

Grape-Nuts—the Body Builder

Made by Canadian Postum Cereal Company, Limited Windsor, Ontario

"There's a Reason"

Belgian Prince Visits Japan.
The British battle cruiser Renown, which brought the Prince of Wales to Japan, brought also a Prince of another royal family of Europe. But she had almost arrived off the Yokohama breakwater before the presence on board of Prince Charles, second son of King Albert of the Belgians, was known generally in Tokio. Prince Charles, who is eighteen years old, is a midshipman in the British Navy assigned now to service on the Renown.

He is "Charlie" to his messmates on the British cruiser, and as "Charles" he did Tokio with his bluejacket pals. The only recognition his visit to Japanese shores elicited was his presentation to the Emperor and an informal reception at the Belgian Embassy for members of the Belgo-Japanese Society.

At the present rate of increase, Japan will have a population of 65,215,000 persons in 1928.

1898 No. 24—22

Genuine BAYER Aspirin

WARNING! Say "Bayer" when you buy Aspirin.

Unless you see the name "Bayer" on tablets, you are not getting Aspirin at all. Accept only an "unbroken package" of "Bayer Tablets of Aspirin," which contains directions and dose worked out by physicians during 22 years and proved safe by millions for

Colds
Toothache
Earache

Headache
Neuralgia
Lumbago

Rheumatism
Neuritis
Pain, Pain

Handy "Bayer" boxes of 12 tablets—Also bottles of 24 and 100—Druggists. Aspirin is the trade mark (registered in Canada) of Bayer Manufacturing Co. of Westphalia, Germany. It is well known that Aspirin means Bayer manufacture, to assist the public against imitations. The Tablets of Bayer Company will be stamped with their general trade mark, the "Bayer Cross."