

FAIR LUNA'S VISAGE.

FACE OF THE MOON AS KNOWN TO OUR ASTRONOMERS.

Without Parallel on Earth—Rarified Atmosphere Produces Many Startling Effects in the Lunar Landscape—Heavens Are Black Even at Mid-day.

Our moon has the distinction of being the largest of all planetary satellites; so large, indeed, says the Strand Magazine, that to the inhabitants of Mars it must appear with the earth as a wonderfully beautiful twin planet.

Because the moon rotates on its axis in exactly the same time that it revolves around the earth we are destined to see little more than one hemisphere. So slow is this rotation that the lunar day is equal to fifteen of our days. For half a month the moon is exposed to the fierce heat of the sun; for half a month it spins through space in the densest gloom.

Although separated from us by a distance that at time reaches 253,000 miles; and it is never less than 222,000 miles, we know more of the physical formation of the single pallid face that confronts us than we know of certain parts of Asia and the heart of Africa. Powerful telescopes have brought our satellite within a distance of forty miles of the earth. Physicists have mathematically weighed it and fixed its mass at one-eighth of the earth or 73,000,000,000 tons.

The moon presents aspects without any terrestrial parallel. Rent by fires long since dead, its honeycombed crust seems like a great globe of chilled slag. Craters are not uncommon on the earth, but in number, size, and structure they bear, for the most part, little resemblance to those of the moon.

A lunar crater is not the mouth of a volcano having a diameter of a few hundred feet, but a great circular plain twenty-five, or even one hundred miles in diameter, surrounded by a precipice rising to a height of five thousand or two thousand feet, with a central hill or two about as high.

Water cannot possibly exist as a liquid; for the temperature of the moon's surface during the long lunar night is probably not far from 400 degrees below the zero mark of a Fahrenheit thermometer, and the atmospheric pressure is so low that a gas under pressure would solidify as it escaped, ice and snow are the forms, then, which lunar water would assume.

Because of the present paucity of water the moon's atmosphere is so exceedingly rare that startling effects are produced. Perhaps the most striking is that of the sunrise. Dawn and the soft golden glow that usher in terrestrial day there cannot be. The sun leaps from the horizon a flaming sickle, with no clouds to diffuse its blinding light. All day long it is accompanied by the weird zodiacal light that we behold at rare intervals.

Even in midday the heavens are pitch black, so that, despite the sunlight, the stars and planets gleam with a brightness that they never exhibit to us even on the clearest of moonlight nights at sea. They shine steadily, too; for it is the earth's atmosphere that causes them to twinkle to our eyes.

In the line of sight it is impossible to estimate distances, for there is no such phenomenon as aerial perspective. Objects are seen only when the rays of the sun strike them.

At times there may be observed spots which darken after sunrise and gradually disappear toward sunset. They cannot be caused by shadows; for shadows would be least visible when the sun is directly overhead.

They appear most quickly at the equator, and invade the higher altitudes after a lapse of a few days. In the polar regions they have never been seen. What are they? Organic life resembling vegetation, answers Professor Pickering of Harvard University; vegetation that flourishes luxuriantly while the sun shines and withers at night.

A single day, it may be urged is not sufficiently long for the development and decay of vegetation; but sixteen hours on the moon is little more than half an hour on the earth; a day lasts half a month, and may be regarded as a miniature season.

New York and Return \$9.00—West Shore R. R.

From Buffalo and Niagara Falls, Thursday, Aug. 16, tickets good 15 days. The West Shore takes you through the Mohawk Valley and along the Hudson River, and gives you the privilege without charge of a trip on the Hudson River steamers between Albany and New York, if desired.

For particulars consult ticket agents or address Harry Parry, General Agent, Buffalo, N. Y.

Sound Business Sense.

Smart wife—Don't worry, George; I wrote an article for the paper to-day showing how to get up a family dinner for \$1 and I took it around and the editor gave me \$1.

Husband—That's a rare piece of luck. What are you going to do with the dollar?

"I'm going to try the recipe myself and see if it will work."—New York Week-ly.

Give the Boy a Pup's Chance.

If a man has a \$10 pup he would look after it carefully and not let it run all over town, but if he had a boy it would be different. He is turned loose at a certain age and let go to the devil. The people wonder where the great army of tramps, loafers, dead beats and sots come from in each decade. They are germinated from the pure seed gathered from our homes and sown broadcast upon our streets and alleys. It may be your starting in that direction. At all events the boy ought to be given the same chance with the pup.

Stopped Him

(Cleveland Leader.)

"Do you think your father would like me as a son-in-law?"

"Yes, I believe he would."

"Oh, joy!"

"Faps and I never agree about anything, but now"



"IMPERIAL" PUMPING WINDMILL.

Output which won the CHAMPIONSHIP OF THE WORLD against 21 American, British and Canadian manufacturers, after a two month's thorough trial. Made by GEORGE SHAPLEY & SONS CO. LIMITED, Bradford, Canada.

HALF AND HALF.

A Materialistic View of the Marriage State.

General Young, at a wedding in Washington, was condemning materialists and materialism.

"What, precisely, is a materialist?" a young girl asked.

"A materialist," said General Young, "is one who sees only the material side of things, one to whom the spiritual side is invisible."

He looked about him at the happy bridal party.

"Thus a materialist," he went on, "would call marriage merely a state wherein you give a woman half your virtuals to get the other half cooked."

Where Will You Go This Summer?

If you desire rest and recreation, why not "The River St. Lawrence Trip?"

Folders descriptive of the Thousand Islands, Rapids, Montreal, Quebec, Murray Bay, Tadoussac, the far famed Saguenay River, etc., an application to any railroad or steamboat ticket agent.

For illustrated guide, "NIAGARA TO THE SEA," send six cents in postage stamps to H. Foster Chaffee, Western Passenger Agent, Toronto.

A Family Likeness.

Some soldiers quartered in a country village, when they met at roll-call were asking one another what kind of quarters they had got.

"Had very good quarters, but the strangest landlady he ever saw—she always took him off. A comrade said he would go along with him and take her off. We went, and offered to shake hands with her, saying, 'How are you, Elspa?'"

"Indeed," said she, "I've had the better of me. I dinna ken ye."

"Dear me, Elspa," replied the soldier, "d'ye no ken me? I'm the devil's sister's son."

"Dear, save us!" quoth the old wife, looking him in the face; "mon, but ye're like your uncle!"

Henry Elliott, of Sherbrooke, N. S., Inspector and Supt. of Bridge Construction for Nova Scotia, says:

"A bottle of MINARD'S LINIMENT cured me of a very severe sprain of my leg, caused by a fall while building a bridge at Doherty Creek, Cumberland Co."

India's Excess of Widows.

(Lahore Tribune.)

The number of widows in India is daily on the increase. Such a state of things is attributed to causes more than one; chiefly marriage is responsible for the highest number.

The total number of women inhabiting India is 148,936,447, out of which 25,891,286 are widows, which means that out of every five there is one widow. The Hindus carry the highest number of widows, which is 18,738,468.

We give below in detail the age and the number of widow in India, of all religions combined:

Age. Widows.

Under one year 1,964

From 1 to 2 years 1,217

From 2 to 3 years 2,271

From 3 to 4 years 10,423

From 4 to 5 years 35,798

From 5 to 10 years 275,982

From 10 to 15 years 522,907

From 15 to 20 years 938,725

From 20 to 25 years 1,432,468

From 25 to 30 years 4,235,552

From 30 to 40 years 6,134,333

From 40 to 50 years 5,851,093

From 50 to 60 years 8,692,043

Above 60 years 25,891,286

Total 55,891,286

Nerve.

"Mr. Farsyte sent me over to ask you if you'd lend him your umbrella," said the boy.

"Certainly," replied Suburbs, "but what does he want with it? It isn't raining."

"No, sir, but he said it was pretty sure to be rainin' some day soon, and he'd need it then."—The Catholic Standard and Times.

Not Confined to Water.

Boarding House Keeper—Will you have a Lodger—No, thanks. I'm off the water wagon.

Disease takes no summer vacation.

If you need flesh and strength use

Scott's Emulsion

summer as in winter.

Send for free sample.

SCOTT & BOWNE, Chemists, Toronto, Ont.

Price, 50c. and \$1.00; all druggists.

NORWEGIAN SUPERSTITION.

Curious Incidents of the Dethroning of King Oscar.

The Annes des Sciences Peviques publishes some uncanny stories in connection with the substitution of King Haakon for King Oscar as ruler of Norway. On November 18, it says a number of officers were assembled in the Casino of Agerhus, where King Haakon was expected to make his entry.

They awaited with impatience the first gunshot which should announce the arrival of the war ship Heimdal in the roadstead. Suddenly a peculiar crackling sound was heard coming from the far end of the room, and it was perceived that a large portrait of King Oscar in a frame surmounted by a crown was falling. The picture and frame suffered no hurt but the crown was smashed into atoms.

Several days afterward, at a supper given by a former Minister, Herr Hagerup, the incident mentioned, and a journalist remarked ironically that the walls of the Casino were defective, and indulged in other pleasantries when the attention of the company was suddenly arrested by a grinding noise. A second afterward a bracket supporting a life-sized bust of King Oscar gave way, and the bust fell with a bang. This coincidence created an immense impression, and the company separated earlier than they intended. Similar incidents happened in other places, says the Annals.

THEY MEAN IT.

No one should suffer a moment longer with Piles, for Dr. Leonard's Hem-Roid will cure any case.

No matter what kind you have, Blind, Bleeding, Internal, External, Itching or Suppurating, Dr. Leonard's Hem-Roid will cure you.

This statement is supported by a thousand testimonials from those who have been permanently cured.

If you are not cured you get your money back. \$1.00. All dealers, or The Wilson-Pyle Co., Limited, Niagara Falls, Ont. 20

MERELY AN OLD WOMAN.

Her Social Position Didn't Affect Her Digestive Powers.

A famous American physician was summoned to the bedside of an elderly grande dame, of distinguished name and many millions, says the New York Press. The physician examined her carefully. Then he said:

"You must get up every morning at 6 o'clock. Take for breakfast a cup of weak tea and two pieces of dry toast. From 9 to 11 exercise, either walking or sweeping or dusting. At noon lunch on a slice of cold meat, filtered, uniced water and stale bread. Don't sleep in the afternoon; exercise again. For dinner take nothing but a little meat, a vegetable and toast. No sweets, no wines, no social dissipation of any kind."

The eyes of the grande dame flashed with fire as she said:

"But, doctor, do you comprehend my position? Do you know who I am?"

"Perfectly, madam," answered the physician. "You are an old woman with a stout stomach."

Minard's Liniment Cures Colds, etc.

Something to Brag About.

Mrs. Jones and Mrs. Brown were bosom friends. It was astonishing what a lot they knew about other people's businesses.

The conversation turned in the direction of a Mrs. Tittoleay, a new arrival in the next street.

"I hear she's suffering from appendicitis," declared Mrs. Brown.

"Suffering!" echoed Mrs. Jones contemptuously.

"Why, yes; didn't you know that?" asked Mrs. Brown.

"Yes, I heard she had got appendicitis," replied Mrs. Jones, "but, Lor! judging by the way they bragged about it I thought it was some sort of piano player. What is it, anyway?"—Answers.

Wilson's FLY PADS

ONE PACKET HAS ACTUALLY KILLED A BUSHFUL OF FLIES

Sold by All Druggists and General Stores and by mail.

TEN CENTS PER PACKET FROM ARCHDALE WILSON, HAMILTON, ONT.

Exodus of American Farmers.

It is not to be wondered at that the states of the northwest, and those especially abutting Canada, should view with regret that in its intensity verges the alarm the constant and increasing trek of American farmers across the border. It is naturally disheartening to see coming into our ports each year a host of emigrants, many of whom the cultivation of the soil has no attractions, while from the other side of the country the flower of an agricultural population is forsaking its old holdings and citizenship and finding homes on the rich virgin acres of Canada.

Minard's Liniment Cures Diphtheria.

How to Know Them.

The soda water man—By his phizz. The temperance man—By his no's. The conceited man—By his P's.

The surveyor—By his feet. The captain of industry—By his hands.

The military man—By his arms. The stovepipe man—By his elbows.

The rubber man—By his neck. The miserly man—By his chest.

The tourist—By his trunk. The dairy man—By his calves.

The iron man—By his nails.

So It Does.

(Philadelphia Public Ledger.)

"You ought to take a trip through one of them big shoe manufacturers down east," remarked the old-fashioned cobbler.

"I've been through one," replied the other.

"What d'ye think of all that modern machinery?"

"What is to be done?"

Free Gifts of Toilet Soaps

Use SUNLIGHT SOAP and GET THE PREMIUMS

The Coupons are the same as cash because they can be exchanged for Toilet Soaps for which you have to pay out money every week.

Users of SUNLIGHT and CHEERFUL SOAPS can get their TOILET SOAPS for nothing.

Read circular in every package, or write us for Premium List.

A gift is of little value if it consists of something you have no use for.

In exchange for Sunlight Soap Coupons you can get something you need and use every day.

SAVE SUNLIGHT SOAP COUPONS

Lever Brothers Limited, Toronto, Canada

Where M. Ph. Are Paid.

A British Parliamentary White Paper gives details of the payments to members of Parliament in foreign countries. The following is a summary:

Austria—16s. 8d. a day, with 4 1-4d. per mile travelling expenses.

Hungary—£200 per annum and an equivalent of house rent (£200).

Bavaria—10s. a day. This is withheld if leave of absence has been obtained; but is paid if member is absent without leave.

Belgium—£160 per annum and free railway pass.

Bulgaria—16s. a day.

Denmark—11s. a day and free railway travelling.

France—£360 per annum, free travel on State railways. Deductions are made for a pension fund for ex-members and widows.

Germany—15s. per day and travelling expenses.

Greece—£72 for each ordinary session.

Norway—13s. a day, with a travelling allowance of £100 a year.

Russia—£1 16s. 6d. a day.

Servia—12s. a day and free railway pass.

Sweden—£66 for ordinary session.

Switzerland—16s. a day.

United States—£1,000 a year.

Sunlight Soap is better than other soaps, but is best when used in the Sunlight way. Buy Sunlight Soap and follow directions.

The Queen Ant.

Dr. William Morton Wheeler shows in the Popular Science Monthly that the queen ant has not had justice done to her by naturalists. The queen ant is a very industrious and intelligent worker, and Dr. Wheeler points out that she forms an exceedingly interesting subject for study, and has not hitherto been well understood.

\$10—Atlantic City, Cape May—\$10

Four seashore excursions via Lehigh Valley Railroad, July 20, August 3, 17, and 31. Tickets good 15 days, and only \$10, round trip, from Suspension Bridge. Tickets allow stop-over at Philadelphia. For tickets, further particulars, call on or write Robt. S. Lewis, Canadian Passenger Agent, 10 King street east, Toronto, Ont.

Getting Along in Years.

(Topeka, Kan., Capital.)

We find that we have reached the point in life where "you don't look so old as that" is the most pleasing thing that can be said to us.

A true friend is one who won't hold you responsible to-morrow for what you say to-day.

Followed by a Lion.

A Hunter's Adventure on a Cold Night in an African Jungle.

To stroll through an African jungle with a gun loaded only in one barrel and with dusk approaching seems to invite adventure.

It was not until I had wandered carelessly for half an hour, feeling sure that it was only those particular things I knew would lead to water. After a good draught I began to collect firewood, but the night closed in so rapidly that a bare hour's supply was all my store.

Partly to save fuel, partly in the hope that as night crept on signals would be made from the wagons, I climbed a tree and had not been long perched before I heard, far off, the boom of guns.

It grew bitterly cold. I determined to come down and light my fire. I had reached the lowest bough of my tree and placed my hand beside my bow when a heavy body fell from the bush immediately under me.

A deep note and the sound of a heavy body falling through the thorny scrub told me that a lion was passing. Without the warning in another half second I should have alighted on his back. I very quickly put two or three yards more between the soles of my feet on the ground.

I could no longer endure my cramped position in the scraggy tree, and felt I must get down. Waited until the moon was about one tree high I came down and dived into the bush. I struggled on for an hour, I should think, when four or five muskets fired together within fifty yards told me I was home again.

I hope I was thankful; I know I am now. Two of my Hottentot servants and a batch of Kafirs had come to hunt me and secured me to the fire in triumph. As I held my half thawed hands over the roar of a disappointed lion rang through the bush.

"He has missed you, Tlaga, by a little bit this time," said my black friend, "but he has gone back to his game."—Youth's Companion.

Looking Forward.

Scientist—I know I haven't long to live, doctor, and when I die I want you to perform an autopsy. I'm very anxious to know just what's the matter with me.—Translated for Tales from "Fliegende Blätter."

ISSUE NO. 30, 1906

MISCELLANEOUS.

ENVELOPE BARGAINS

60c 1,000 up in quantity, also 1, 2, 3, 6, 7, 8. Gold point fountain pens 60c. W. H. ADAMS, Toronto, Ont.

Mrs. Winslow's Soothing Syrup should always be used for children teething. It soothes the child, soothes the gums, cures white coats and is the best remedy for Diarrhoea.

DR. LEROY'S FEMALE PILLS

A safe, pure and reliable monthly regulator. From 25c. per box. Sold in France for the purpose of curing the most distressing female ailments. The pills are guaranteed to be safe and effective. Price \$1.00 per box of 10 pills, or by mail, securely mailed, on receipt of price.

LE ROY PILL CO., Box 44, Hamilton, Canada.

"I Love You"

(Life.)

A Danish paper compares "I love you" in many languages. Here are some of them—the Danish paper is our only authority for their correctness: The Chinaman says, "Uo ngai ni"; the Armenian, "Ge siron or the Arabian, very shortly, "Nehabeek"; the Egyptian, similar, "N'achkek"; the Turk, "Sini sevojorum"; and the Hindoo, "Ma'n tyn ko pijar karym"; But overwhelming is the declaration of love of an Esquimaux, who tries to win the chosen one by the pleasing sound of the dainty little word, "Ungi figsersertdunalerfinajungnarvigjak."

BETTER THAN SPANKING

Spanking does not cure children of bed-wetting. There is a constitutional cause for this trouble. Mrs. S. M. Summers, Box 8, Windsor, Ont., will send free to any mother her successful home treatment, with full instructions. Send no money, but write her to-day if your children trouble you in this way. Don't blame the child; the chances are it can't help it. This treatment also cures adults and aged people troubled with urine difficulties by night or day.

On the Trail.

"Tommy, what ancient King was it who played on the fiddle while Rome was burning?"

"Hector, ma'am."

"No, it isn't Hector."

"Then it wuz Dook."

"Duke? What do you mean, Tommy?"

"Well, then, it must a been Nero. I knowed it wuz somebody with a dog's name."

Minard's Liniment Cures Garget in Cows.

Between the Horns.

(New York Sun.)

Johnny—What's a dilemma?

Tommy—Well, it's when you can't sit down because your pa licked you for going in swimming, and you can't stand up because a crab bit your toe.

The Short Line to Pittsburgh LAKE SHORE RAILWAY

is via Buffalo and

THE FAMOUS "PITTSBURG LIMITED"

Leaves Buffalo 10.00 a. m.

Arrives Pittsburgh 4.00 p. m.

OTHER SPLENDID TRAINS

Leave Buffalo 1.25 p. m. 11.10 p. m.

Arrive Pittsburgh 7.55