

SPLENDORS OF SEPTEMBER SKIES.

Starlight Studies for Late Summer Nights - Phases of the Moon

The phases of the moon in course of the month of September will be as follows: Last quarter on the 6th, new on the 12th, first quarter on the 20th and full on the 27th. She will be in perigee on the 1st and 29th and in apogee on the 17th. While on the 1st of the month the sun is still 3 degrees, 27 minutes, 4 seconds north of the equator it will reach the latter at 1.10 p.m. on the 23rd, at which precise moment the autumnal season begins. On the last day of September the sun will be 2 degrees, 37 minutes, 43 seconds south of the equator, passing in course of the month over a arc of rather more than 11 degrees, 28 minutes.

That the sun in its apparent motion in declination varies in rate is a matter that seems perplexing to not a few, though the reason is quite evident. In the first place, the ecliptic, and therefore the apparent path of the sun north and south of the equator, is an ellipse and not a circle, and in the second place, even if this path were a circle, it intersects the equator at an oblique angle, and consequently equal intervals on this circle would not cut off equal intervals on either the equator or a circle parallel to it. The consequence is that near the equator the ecliptic intersects the equator at an angle of about 23 degrees, 27 minutes, called the obliquity of the ecliptic, it cuts a circle parallel to the equator halfway between the equator and either solstice at an angle of 20 degrees, 27 minutes, and at the solstice this angle vanishes and consequently for a brief time the sun actually moves parallel to the equator. The consequence is that the equinoxes the sun's motion in declination is very rapid, and near the solstices very slow. At the solstices themselves the sun appears to stand still, for which reason these points, marking the northern and southern limits of the sun's motion, have received this name of solstice, being derived from a Latin word meaning "the sun's standing still."

The planet Mercury is in Leo during the greater portion of the month, but will near its termination enter Virgo. Although it is an indisputable fact that this planet, on account of its proximity to the sun, is but seldom seen with the unaided eye, it can be seen when it is near its greatest elongation. Of course it will not be up any longer after the disappearance of the twilight, but in that position it is bright enough to be seen, especially when the brightness of a first magnitude star, persons pretending never to have seen Mercury may have seen it after all under these favorable circumstances, but probably have mistaken it for Venus. In northern latitudes it is more difficult to observe Mercury than in the southern. The famous Copernicus is said never to have seen it. During the greater portion of the month Venus will be in Virgo, being at the middle of the month near Spica. Toward the end it will be in Libra. It sets soon after half past seven. Mars is also at first in Virgo, not far from Spica, but will soon enter Libra, and sets a little later than Venus. The position of the two great planets Jupiter and Saturn is but little changed since last month. Both are still in Sagittarius, and the latter sets at first near midnight, it will set toward the end of the month about half past ten, and Saturn but a few moments later.

Looking up about 7 o'clock in the September evenings we see a constellation too conspicuous by the configuration of its stars not to arrest the observer's attention. This constellation is Cygnus, or the Swan, commonly called the Phœnix according to some, the friend of Phœnix mourning over the latter's fate and being metamorphosed into a swan; according to others the swan, whose shape the writer assumes, is the visited Ieda, the mother of the twin brothers Castor and Pollux. The principal configuration of Cygnus is that of a cross. The top of this cross is marked by the star Alpha, or Deneb, of the second magnitude and the brightest in the constellation. The foot of the cross is marked by Beta, or Al-bireo, a fine double star, orange and blue, one of the finest-colored pairs for a small telescope. Where the cross piece cuts the main piece we see the star Gamma. The two other stars of the cross piece are Delta and Epsilon. Completing the parallelism of the cross, which Alpha, Gamma, and Epsilon are the three other vertices a star may be easily seen which is remarkable for the fact that it was the first star whose annual parallax was determined—by Bessel in 1838. Cygnus lies due east of Lyra.

Between Cygnus and Aquila, somewhat nearer the latter, and a little toward the east, is a small constellation, but conspicuous enough to be easily recognized. It has the shape of a diamond, and this diamond bears the special name of Job's Tears. The constellation is called Delphinus, or the Dolphin, commemorating the Dolphin that saved Arion's life. Southeast of Delphinus and quite close to it is a small constellation that would hardly deserve to be ranked among the constellations were it not for the fact of its being one of the famous forty-eight of Ptolemy. It is called Eridanus, or the Little Horse. Within the belt of the zodiac and on the meridian is situated the constellation Capricornus. Although it does not contain any bright stars, there is a certain singularity about its configuration that renders it quite conspicuous and easily recognized. There are three pairs of stars, the stars of each pair being equally distant, about three degrees, and the three pairs forming a right triangle. The most conspicuous pair is marked by Alpha and Beta, the former of which is a double star, double to the naked eye, and in this respect quite characteristic.

Children Cry for CASTORIA.



JOHNSON'S Anodyne Liniment. The official name is 'Liniment for Colic, Cramps, Diarrhoea, Cholera morbus, Mias, Bruises, Burns, Stings, Chaps, Cuts, Sprains, Rheumatism, Neuralgia, Headache, Toothache, Earache, Pain in the Neck, Back, and Limbs, and all other kinds of Pain.' It is prepared by J. S. JOHNSON & CO., 25 South Water Street, Boston, Mass.

ANNUAL S. S. CONVENTION OF CHARLOTTE CO. This convention was held in Lower Hill church on Sept. 8th, there being three sessions, beginning at 9 a. m. and closing after 5 p. m.

The field secretary led the opening exercises of the morning session, and at several points seemed a link between the parish, county and provincial school work.

The evening session the chief speakers were Rev. Arthur Morton on 'The Teacher's Responsibility, and the field secretary on 'How to Induce a Higher Standard in the Schools of the County.'

A VETERAN BUILDER. Daniel W. Clark of Carleton is one of the oldest residents in all St. John. Saturday he celebrated his 84th birthday, and says he is as hale and hearty as ever in his life.

NOT THREE YEARS. Colin Chisholm of St. Stephen, who stole a quantity of jewelry from the residence of Rev. Father Ryan at St. Marys a week ago, and afterwards pleaded guilty to the charge at the police court, was on Friday sentenced by Col. March to three years' imprisonment in the Dorchester penitentiary.

DO NOT EXPERIMENT but get Fuller's Blackberry Cordial, remember it has stood the test of long experience, a thoroughly reliable remedy for all Summer Complaints for Children and Adults, 25 cents at all dealers.

AN ATTACK ON A TRAIN

How the Boers Now Carry on the War.

Special Correspondence of The London Daily Graphic - No Quarter Given - Everything Taken - Suffering of Drivers and Firemen.

The correspondent of the London Daily Graphic with Remington's Horse has sent his paper the following account of the Boer method of attacking trains. The Graphic publishes the article under the title, 'Methods of Boer Warfare: An Object Lesson for Boers.'

The most hardened cut-throat of the Sierras, the free lances of the 'back-blocks,' the banditti of the Campagna - in fact the 'strickers' of almost every country and every clime generally give their prey the initial option of standing up, or being taken.

The necessary 'permit' being available, one presents oneself at the railway station some ten or fifteen minutes before the advertised time of departure of the train.

I was just lighting my pipe, when the train came to a standstill. Simultaneously a roar of rifle fire came from the right. There was nothing to be seen, and I dropped on to the floor of the compartment, making myself as small as possible.

The attention was good, the officers believe its effects will be highly beneficial. A VETERAN BUILDER. Daniel W. Clark of Carleton is one of the oldest residents in all St. John.

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LINCOLN AND GARFIELD.

The Assassinations of 1865 and 1881, and the Perpetrators.

William McKinley is the third American president to be assassinated by the arm of Lee. The sad and wonderful story of the assassination of Lincoln is well known to all. He was shot April 14, 1865, while attending a play at Ford's theatre in Washington; James A. Garfield was shot in the Baltimore and Potomac railroad station in Washington, on July 2, 1881, when about to set out for a trip to New England to witness the commencement exercises of Williams college.

The assassination of Mr. Lincoln was in many respects the most startling crime of the kind in history. The nation had just emerged from the long tragedy of the civil war, and the north had hardly ceased its celebrations and congratulations over the surrender of the army of Lee.

General Leonidas Plaza, who succeeds a Boy Alfaro as president of Ecuador, is 45 years of age and a native of Bahia de Caraquez. His parents were Colombian. He will be the youngest of South American presidents.

Concerning the sch. Sierra, from Apple River for New York, previously reported ashore at Shovertail Shoals, a Chatham, Mass., despatch of Wednesday says: 'Wreckers' jettisoned entire contents of the schooner, and she floated off at 2 p. m. today. She will proceed to destination, as she is not leaking; was not obliged to jettison any of her cargo from her hold.'

Countess Russell (formerly Mrs. Somerville), is seriously ill at Chester, England.

The assassination of President Garfield was particularly distressing because of the long agony endured by the distinguished victim. Mr. Garfield had passed through the first perplexities of the immediately preceding day, and was in the hospital at Washington on the 19th of April and was received in the leading cities of the north, Baltimore, Philadelphia, New York, Buffalo, and Cleveland.

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RODE ON A MOOSE'S BACK.

Paul Libby Can Prove It by Photograph - A Long Canoe Trip.

Paul Libby and Charles Wake, two young New Yorkers, reached Fredericton, N. B. Thursday night from a canoe trip of more than 50 miles. They started from Greenville Junction, at the foot of Moosehead Lake, Me., five weeks ago in canvas canoes, with two guides, one of whom was Samuel Gale. They traversed the waters leading to Allouez Bay, and came the entire length of the St. John river to Fredericton, where they saw lots of game, including 25 moose, and enjoyed great fishing success.

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MAGICAL

is the effect produced on a big family wash by a single cake of SURPRISE soap.

The housewife's labor is reduced one half; the original snowy whiteness is restored to the linens without boiling or hard rubbing and the disagreeable odors so noticeable with other soaps is done away with entirely.



Read the directions on the wrapper.

With whom did he fall in love? Rose Geranium. Was she handsome? An American Beauty. Did she have many admirers? Plenty. What was his name? Basil.

What did she think of becoming? Velled nun. When, after many months, the parents consented, what did she say? Four o'clock.

AMERICAN COAL ABROAD. The central office for preparation of commercial treaties at Berlin, in a circular publication, points out the prevalence being made by Americans for supplying the coal trade of France and Switzerland, and predicts that coal from this side will be able to undersell and replace the supply which Switzerland has hitherto drawn almost exclusively from Germany.

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BOSTON L

Reciprocity Will Gaining Force in England

Big Crowds Will John to Welcome and Duchess of and York

A Maine Murder Myt Halifax - Crumbs of Condition of the Fish Market

(From Our Own Cor.) BOSTON, Sept. 5. - The son when Boston an suburbs are seen at the ready night-seers are a number of the latest view way to their homes in other cities from the influx of people from reached large proportions result that of both of and the transportation the passengers they can conveniences.

The Boston public have another which is being in the local press. Up 400 persons have received injuries to their eyes from the third rail of street railroad. The piled the trains in iron rail which lies on ordinary rails, and once the cars were running, live sparks fall to the result is that many afflicted with "third eye" some have lost their eyesight, but beyond that, the Captain Harry Dawson best known officer of the city. He is confined in and it is feared he will of one of the best of the Canadian reciprocated in the Sun last live issue both here and ton, notwithstanding the possible approval of the business men eastern cities are making Washington to take on wards paving the way made relations with the reason to believe ter will come before of next session. The attitude government is to of course, and so of the United States senate thirds vote is necessary, reciprocity agreement tive. There is a growing interest in any commission its sitings this later. If the commission gather again, it is certain of reciprocity, by and the United States up. The Boston chamber assisted by boards of are bringing strong pressure on the powers that be along the line of impropriations with Canada, as be the fault of this city comes to naught.

As the result of a number on the subject of the sent out a despatch to giving the dates of the wall and York's arrival and departure. It is with an announcement of ments being made to of cation. At the present as if St. John will have within the city will win.

The Episcopalians of States are making for the general convention, which opened at St. 2. Many important questions come up for discussion proposition to divide the provinces, each province in general, and also of cially as regards mission ceremonies. The plan is the high churchmen, many leading men, which favor of the Church. These app names claim they have sound and would seem country where there is ed church. The high of control seven or eight want as a substitute Catholic Church" or Catholic Church" which are neither high nor ant, but Catholic in tenant" is an objectionable work in the work in states where largely made up of E granis. The question, in general, Apple as by the convention, of prohibiting the clerical persons who have will also be considered the clergy. Special measures will be adopted. The United States agriculture reports that crops in New England the clergy. Apple as inclined to be wormy.

Don't Spend Your Money In Travel and at Hotels

Stay at Home, Rest, and Use Dr. Chase's Nerve Food, and Your Health Will Be Restored.

It Puts Your System in Shape to Withstand the Withering Summer Heat.

To persons without leisure and means, travel and residence at some watering place is impossible, or only obtained with worry unnecessary expense, and consequently strain on the system which more than makes up for any slight benefit received. Like scores of others who have profited by the above advice you will be thankful if you follow it. There is no more certain way of recuperating the wasted tissues of the body and preventing the weakening and debilitating diseases consequent on the trying heat of summer. The rosy cheeks and healthful appearance of people who use Dr. Chase's Nerve Food are an outward indication of the revitalizing influence which is going on in every part of the body. Loss of flesh is prevented, nervous prostration and exhaustion averted, and all diseases of the nervous system thoroughly and permanently cured by the regular use of the famous treatment. You can rest better at home than any place in the world. Rest and Dr. Chase's Nerve Food will be of more lasting benefit to your body and mind than any amount of tiring and expensive travel or wearying and restraining life at a summer resort. 50 cents a box, at all dealers, or Edmondson, Bates & Co., Toronto.