

The Messenger Almanac.

March. Last Quarter, Mar. 6th, 5h. 47m. afternoon. New Moon, " 13th, 10h. 39m. First Quarter, " 22nd, 8h. 55m. morning. Full Moon, " 29th, 1h. 35m.

Table with columns: Day, SUN. Rise, Sets, MOON. Rise, Sets, High Tide at Halifax. Rows for days 1 through 31.

THE TIDES.—The column of the Moon's Southing gives the time of high water at Parrsboro, Cornwallis, Horton, Hantsport, Windsor, Newport, and Truro.

High water at Pictou and Cape Tormentine, 2 hours and 11 minutes LATER than at Halifax. At Annapolis, St. John, N.B., and Portland Maine, 3 hours and 25 minutes LATER, and at St. John's, Newfoundland, 20 minutes EARLIER, than at Halifax.

FOR THE LENGTH OF THE DAY.—Add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting, from 12 hours and to the remainder add the time of rising next morning.

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OUR PROGRAMME FOR 1877.

WE would direct attention to the special features which we intend to introduce with our February number of

- MONTHLY BUDS AND BLOSSOMS, I. RANDOM THOUGHTS.—A series of racy sketches by Rev. Arthur Mursell. II. GOLDEN TRUTHS. III. COMPLETE TALES.—Suitable for all ages by well-known authors. IV. THE MONTHLY SERMON—with engraving of some eminent divine. V. HEROES OF THE COVENANT. VI. OUR MUSICAL BOX—will contain a choice and new pieces of music each month. VII. OUR NOTE BOOK—In brief doings of the times. VIII. OUR CHILDREN'S CORNER—Good things for young folks. IX. MISCELLANEOUS ARTICLES—Short sketches, Poetry, Notices of Books, etc. 75 cents is the subscription price of the above mentioned monthly. Send to J. F. AVERY, 18 Moren St., Halifax, N. S. Jan. 24.

SCIENCE.

FACTS IN BUILDING.—One fact is that a square form secures more room with a given cost for outside walls, than any other rectangular figure. Great length and little width may form convenient rooms, but at an increased expense.

Another fact is that ventilation is an essential in a human dwelling. No other consideration should exclude this. The halls, windows, and doors should be so situated with regard to each other, that a full draught of air can be secured, at any time, in the summer season, by day and night, through the whole house.

The third fact is that a steep roof will not only shed rain and snow far better than a flat one, but will last immensely longer.

The fourth fact is that a chimney in or near the centre of the building will aid to warm the whole house, which if built at one end or side, the heat will be thrown out and lost.

The fifth fact is that a door opening from the outside into any principal room, without the intervention of a hall or passage, costs much more than it saves, in the free ingress of air into it.

The sixth fact is that the use of paint is the best economy, in the preservation it affords to all wood-work.

The seventh fact is that if the front door is made at one side instead of the middle of the front, a partition will be saved and for small houses should not be forgotten, but for large houses have the main door and lobby in the middle of the house.

Two Italian scientists have been making observations on the microscopic fauna and flora of the marshes of the Roman Campagna, and have come to the conclusion that there is a connection between the product of changes in the cells of certain algae and the cause of malarial fever. Dark granules form in the cells, gradually filling them up, and then the algae rot. They assert that the pigment-granules found in the liver and spleen of persons who have suffered from malarial cachexy are similar to the granules from the algae cells. The germs of these granules were found in the atmosphere of the Campagna to a height of fifty centimeters above the surface of the marshy soil.

A discovery has been made in the Museum of the Louvre by one Eugene Revillout, under-director of the Egyptian gallery, the importance of which must strike all erudites. It is a history written upon papyrus in the hitherto untranslated Egyptian language of the twenty-eighth, twenty-ninth and thirtieth Egyptian dynasties; that is to say, the chiefs who fought for the independence of their country against the Persians, after they had been the first time expelled from Egypt. A profound religious sentiment pervades this chronicle.

VARIETIES.

LITTLE THINGS.—A kross word iz a little thing, but it iz what stirs up the elephant.

A kind word iz a little thing, but it iz just what soothed the sorrows of the setting hen.

An orange peel on the sidewalk iz a little thing, but it hez upset menny a giant.

An oath iz a little thing, but it iz recorded in the grate ledger in heaven.

A serpent's fang iz a little thing, but death iz its victory.

A baby iz a little wee thing, but a konstable waz once a baby.

A hornet's sting iz a little thing, but it sends the schoolboy home howling.

A star iz a little thing, but it kan hold this great world in its arms.

The tung iz a little thing, but it fills the universe with trouble.

An egg iz a little thing, but the huge krokerdile keeps into life out of it.

A kiss iz a very little thing, but it betrayed the Son of God into the hands ov his enemy.

A penny is a very little thing, but the interest on it from the days of Cain and Abel would buy out the globe.

A minute iz a little thing, but it iz long enough to pull a dozen aking teeth, or to get married and hav yure own mother-in-law.

A lap-dog iz a little thing, but it iz a very silly thing besides.

Life iz made up ov little things, Life itself iz but a little thing; one breath less, then comes the phuneral.—Josh Billings.

A BATCH OF WHYS.—Why are ambassadors the most perfect people in the world? Because they are all excellencies.

Why is sympathy like blind man's buff? It is a fellow feeling for a fellow creature.

Why is the sun like a good loaf? Because it is light when it rises.

Why is a crow a brave bird? Because she never shows the white feather.

Why is a sawyer like a lawyer? Because whichever way he goes, down comes the dust.

Why are washwomen silly people? Because they put out their tubs to catch soft water when it rains hard.

Why is a man who doesn't lose his temper like a schoolmaster? Because he keeps cool (keeps school).

Why are mountains like invalids? Because they look peakish.

Why are umbrellas like pancakes? Because they are seldom seen after Lent.

Why is a drunkard hesitating to sign the pledge like a skeptical Hindoo? Because he doubts whether to give up the worship of Jug-or-not.

Why cannot two slender persons ever become great friends? Because they will always be slight acquaintances.

Topic: Geological discussion. Principal—Was it colder or warmer a hundred years ago than at present? Pupil (honestly)—I really don't know.

AGRICULTURE.

GARDENING ON A TOWN LOT.—Mr. A. B. Mitchell, a dry goods merchant, of Delhi, Ind., thus writes to the Agriculturist, giving his experience in gardening the past year. He says: Having a town lot, 120x60 feet, half of which is covered by a house and out-buildings; the other half I have cultivated out of business hours. The area under cultivation is about one-twelfth of an acre. Of the first crop, consisting of peas, cauliflowers, cucumbers, and cabbages, I sold \$5.60 worth. I had the first green corn in market, which sold at 22 cents per dozen. Of peppers I sold 40 1/2 dozen at 10 cents per dozen, amounting to \$4.25. Of ripe tomatoes, 15 bushels were sold at \$1 a bushel, \$15; and of green tomatoes, 4 bushels at 75 cents, \$3. Here I should mention that a summer freshet had ruined many of the market gardens, which enabled me to sell for good prices. The varieties of tomatoes were the Trophy and Champion, both of which I consider good, but prefer the Trophy. Eggplant Lima-beans, pop-corn, and sweet herbs I raised in abundance for family use, but did not sell any. As a second crop, I put in twelve hundred celery plants raised from seed, from which the sales realized \$45.11. The variety was Sandringham Dwarf, White; I consider this variety superior for market purposes. The giant variety was raised here by other parties, out was left unsold at the groceries day after day while mine was sought for. I banked about one-third, and the balance I put in trenches about the first of November. The total amount of sales to date is \$72.96, besides which I have on hand about \$3 worth of parsnips. I commenced cultivating the garden solely to raise vegetables in abundance in the family, and gave away largely to neighbors; what I sold was the surplus. The work was done entirely by myself out of business hours. I am only an amateur gardener, and attribute my success firstly to the American Agriculturist, and to Peter Henderson's "Gardening for profit," and secondly to thorough cultivation. My motto being never to let a weed germinate. I consider the garden has saved in vegetables that would have been purchased, at the lowest estimate, \$40. I have on hand parsnips, \$3; these added to cash sales (\$72.96), make a total amount of \$115.96. I think I have some reason to be proud of my success.

A farmer in Washington county, Ky., has found a practical use for a snake. For two years he has had one shut up in his corn-crib, and during all that time not a live mouse has been seen there.

Agents for the Christian Messenger.

- NOVA SCOTIA. Amherst—W. F. Cutten, Esq. Antigonish—T. M. King, Esq. Aylesford—Rev. Dr. Tupper, J. Wheelock, Esq., Rev. E. O. Read, Rev. W. E. Hall. Barrington—Rev. W. H. Richan. Beaver River—Wm. S. Raymond, Esq. Berwick—John M. Parker, Esq. Bridgewater—Wellesley J. Gates. Bridgetown—Nathan K. Morse. Brighton, Digby County—N. E. Westcott, Esq. Brookfield—A. J. Leadbetter. Beal's Mountain—John Whitman. Bodeque, P. E. I.—Rev. A. Chipman. Caledonia—B. L. Telfer. Chester—Rev. I. J. Skinner. Clements—Jas. E. Potter, Esq. Cornwallis—J. E. Lockwood. Canso—Wm. Hutchison. Do.—Billtown—Gideon Cogswell, Esq. Do.—Canning—Jas. S. Witter, Esq. Digby—Joseph H. Saunders. Digby Joggins—Wm. Aymar, Esq. Digby Neck—Rev. J. C. Morse. DeBer River—Wm. McCully, 4th. Dalhousie East—Thomas A. Wilson. Economy—Josiah Soley. Granville—Joseph D. Halfyard. Guysborough—Christopher Jost, Esq. Greensford—Robert Harlow. Hantsport—C. J. Margeson, Esq., M. D. Hillsburgh—Nelson Miller, Esq. Isaac Harbor—C. B. Whidden. Kemps—Joseph D. Masters, Esq. Kentville—Melatah Kinsman. Liverpool—Charles Bell, Esq. Long Island—Isaiah Thurber, Esq. Londonderry, Great Village—Ezra Layton. Maccan, River Hebert—Hance Mills. Milton, Queen's—G. Whitfield Freeman, Esq. Mill Village—W. A. Reed. Musquodoboit—Edward McCabe. Mahone Bay—Joseph Ham. Margaree, C. B.—Lachlan McDonald. New Germany—Adam E. Durland. Newport—Joseph Dimock, Wm. H. Knowles, N. E. Morse. New Albany—Daniel Whitman. Caslow—J. B. McNutt, Esq. Paradise—M. E. Marshall. Port Medway—James T. Foster. Portauque—Joseph Upham. Pubnico—Isaac Larkin. Pugwash—Angus McDonnell. Parrsborough—Joseph M. Layton. Rawdon—John McLearn, Esq. River Philip—Thomas H. Paton. Locke's Island—Xerxes Z. Chipman, Esq. St. Mary's Bay, Digby Co.—Chas. McNeill, Esq. New Ross—James Lamb. Springfield—Israel McNay, Esq. Stewiacke—Rev. Jas. Meadows. Sydney, North, C. B.—A. G. Musgrave. Sydney Town, C. B.—C. H. Harrington, Esq. Truro—L. J. Waiker, Esq. Windsor—Andrew F. Shand. Westport—Holland E. Payson, Esq. Weymouth—Rev. C. Randall. Wilmot—Dr. J. Woodbury. Wilmet, Canaan Road—Fletcher Wheelock. Wilmot Mountain—Jas. P. Foster, Esq. Wolfville—G. V. Rand. Yarmouth—C. W. Sanders. Do.—Deerfield—Rev. J. A. Stubbert. Do.—Hebron—Wm. R. Doty. Do.—Ohio—George Crosby, Esq. ST. JOHN, N. B.—John F. Masters, Esq. PRINCE EDWARD ISLAND. Crapaud—Dr. Tremaine. Charlottetown—James Desbrisay, Esq. Summerside—Dimock Archibald. Three Rivers—Rev. John Shaw. West River—Rev. Malcom Ross. East Point, P. E. I.—Wm. M. McVane.

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HALIFAX TO ST. JOHN.

Table with columns: Miles, STATIONS, Express and Sat. only, Pass. and Frt. only, Mon., Tues., Fri., Passengers and Freight daily. Rows for stations from Halifax to St. John.

ST. JOHN TO HALIFAX.

Table with columns: Miles, STATIONS, Passengers and Freight daily, Pass. and Frt. only, Mon., Tues., Fri., Express and Sat. only. Rows for stations from St. John to Halifax.

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