

The Messenger Almanac.

Table with columns for Day, SUN., MOON., and High Tide. Rows list dates from 1st to 31st with corresponding times and phases.

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 sun 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.

BAPTIST CHURCH REQUISITES.

- Articles and Covenant \$1.00 per 100. Church Record and Register \$2. and \$3 each. Alphabetical List of Members 40 cents each.

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SYMINGTON'S Prepared Pea Soup, IS EASY OF DIGESTION, PERFECTLY WHOLESOME, REQUIRES NO BOILING, and, owing to the scientific treatment of the Flour, never causes any unpleasant feeling after eating, being highly nutritious, is especially recommended.

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BOOK BINDERS, PAPERS RULERS, BLANK BOOKS, Manufacturers, Perfumers, Steam Machine PAPER BAG Manufacturers. Cheapest in the Market. Jan. 31.

AGRICULTURE.

SEED.—At the last meeting of the British Association Sir John Lubbock read an interesting paper on seeds. He commenced by calling attention to the difference presented by seeds, some being large, some small, some covered with hooks, some provided with hairs, some smooth, some sticky, etc.

A Californian sends flowers across the continent by taking a large potato, cutting it in two, "scooping" out most of the pulp, putting in a flower and joining the potato again. The moisture of the potato keeps the flower fresh during the journey.

Cows will quickly fall off in their milk unless they have plenty of clean water within convenient reach. They will suffer considerably from thirst before they will travel long distances for water, either in hot or cold weather.

Apple-seeds sown in the fall will form in four or five years an impenetrable hedge. It should be clipped back two or three times to grow low and stocky.

CALVES AND YEARLINGS.—Cold and wet do much harm to young stock and stop the growth, which is rarely commenced again until the warm weather of the next season. A rough shed in the pasture will furnish useful protection, and a small supply of rich food is of value in keeping up the thrift.

USES OF SOOT.—Soot is valuable for the ammonia which it contains, and also for its power of reabsorbing ammonia. The creosote it contains is valuable as an insect destroyer, and as a fertilizer of all garden crops. If the soil is dry, a little common household salt may be mixed with soot. Lime and soot should never be mixed together; lime destroys the ammonia. Soot that has been steeped in water for two or three days is as good a fertilizer as horse-hoof parings for house plants, and increases the vividness of the bloom of flowers in the open air.

TRIMMING THE ROOTS OF SEEDLINGS.—Peter M. Gideon, of Minnesota, remarked at a meeting of the State Horticultural Society that in the early days of his horticultural experience he was "crazy" to secure all the little fibres, even on his seedlings, used in root grafting. He has now got over all this, and he finds the cleaner the seedling roots are of fibres the better they will grow, by sending out new tender rootlets. With orchard trees he wants all the roots he can get, but it is not at all essential to secure the growing points.

SCIENCE.

WHY WE BUTTER OUR BREAD.—The layers of the wheat berry, as we proceed towards the centre, become more and more completely starchy, and at the centre but little else is found, and this portion makes our finest flour. The finer the flour, the less it is fit for nutrition. In its natural state, the wheat, with all its components present is not fully fitted for perfect human development.

The memory is a singular faculty. A French scientist has gathered some curious statistics respecting it, which are published in a medical journal. The inferior races of mankind, the investigator says, such as negroes, the Chinese, &c., have more memory than those of a higher type of civilization. Women have more retentive memories than men. The young have better memories than adults, the faculty being well developed in children, attaining its maximum about the fourteenth or fifteenth year, and then decreasing.

A CANARY BIRD WITH ASTHMA.—To cure a canary bird of the asthma you should hold him firmly in the hand, and let him inhale chloroform until stupefied; when he comes out of the stupor he will be found to be entirely cured; this should be done in the morning before the bird is fed. The disease is caused by impure air.

"BOOM."—Readers of United States papers have of late frequently read of the "political boom," the "business boom" and "booms" of several other kinds. The word is a Westernism, and means a swelling, boiling freshet. The Yankee newspapers are applying it to every rushing thing.

THE HOUSEHOLD.

RANCID BUTTER may be reformed and improved somewhat by churning it awhile in good new buttermilk then working the buttermilk out of it as at first.

ROAST CALF LIVER.—Wash thoroughly and wipe dry; cut a long deep hole on the side; stuff with crumbs, bacon, and onions chopped; salt and pepper to taste; bit of butter and one egg; sew or tie together the liver; lard it over and bake in the oven, basting frequently; serve with gravy and currant jelly.

ENGLISH PEASE PUDDING.—Soak and boil split peas. Turn them into a basin and mash them, or better, rub them through a colander, add dripping, pepper, and salt, tie them tightly in a cloth, and put the pudding into boiling water and boil half an hour. Before turning out dip the pudding into cold water.

YEAST DUMPLINGS.—Make a light dough of 3 pounds of flour, 1 1/2 ounces of German yeast, a pinch of salt, and some milk; let it rise in a warm place. In about an hour the dough will be ready to use; mould them round as for buns, and boil fast for about fifteen minutes in a good deal of water; serve with melted butter plain sauce.

ENGLISH MUFFINS.—One and a half pounds flour, one pint warm milk, one-half pint yeast, mix well together, and allow to rise; work over again, add a little salt, and two eggs; bake on a hot griddle in rings.

Ayer's Hair Vigor, For restoring Gray Hair to its natural Vitality and Color.



A dressing which is at once agreeable, healthy, and effectual for preserving the hair. Faded or gray hair is soon restored to its original color, with the gloss and freshness of youth. Thin hair is thickened, falling hair checked, and baldness often, though not always, cured by its use.

HAIR DRESSING, nothing else can be found so desirable. Containing neither oil nor dye, it does not soil white cambric, and yet lasts long on the hair, giving it a rich, glossy lustre and a grateful perfume.

Prepared by Dr. J. C. Ayer & Co., Practical and Analytical Chemists, LOWELL, MASS. BROWN & WEBB, Halifax, Dec. 11. Wholesale Agents.

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WESTERN COUNTIES RAILWAY. 1879. Arrangement. 1879.

Table with columns for TRAINS LEAVE HALIFAX and LEAVE WINDSOR. Rows list departure times and destinations like Annapolis, Yarmouth, and Truro.

INTERCOLONIAL RAILWAY. 1879 WINTER ARRANGEMENT 1879

Table with columns for TRAINS leave Halifax daily (Sunday excepted) as follows. Rows list departure times and destinations like St. John, Pictou, and Truro.

WINDSOR & ANNAPOLIS Railway. Summer Arrangement, Commencing 1st July, 1879.

Table with columns for GOING WEST. Rows list departure times from Windsor, Kentville, Berwick, Wilmot, and Annapolis to St. John.

Table with columns for GOING EAST. Rows list departure times from St. John to Annapolis, Wilmot, Kentville, Wolfville, and Windsor.

Steamer "Empress" leaves St. John every Monday, Wednesday and Saturday and Annapolis, to return on Tuesday, Wednesday and Saturday.

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