HALIFAX, N. S., MAY 13, 1874.

ALMANAC FOR MAY. Full Moon, May 1st, 11h. 55m. morning. Last Quarter, "9th, 2h. 58m morning.

Wi	w M	181	n.		11 9	12n	d. 1	11	. 411	n. 8	ifte	rnoon. rnoon	1.
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THE TIDES .- The column of the Moon's Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport, Windsor, Newport, and Truro.

27 W. 4 25 7 29 4 17

28 Th., 4 24 7 30 5 21 10 14 2 27

29 F.. 4 24 7.31 6 28 11 0 3 7 30 Sa.. 4 23 7 31 7 36 11 50 3 32

31 SU. 4 22 7 32 8 41 morn 4 4

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 iater, and at St. John's, Newfoundland 20 minutes earlier, than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 min-

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-Subtrac, the time of the sun's setting from 12 hou. and to the remainder add the time of rising n. x. morning.

# WINDSOR & ANNAPOLIS RAILWAY

SPRING ARRANGEMENT. COMMENCING

WEDNESDAY, 1st April, 1874. WALIFAX TOST. JOHN.

Miles.	STATION	No.	Exp. Pass. Pass. No. and and 1. Frgt Frgt			
			A.M.		P. M.	
0		Leave.	8.00		3.00	
	Bedford			9.10		
	Wind. Junction	" ,		9.40		
	Mount Uniacke			10.40		
35	Ellershouse	" "		11.20		
39	Newport		10.00	11.33		
45	Windsor		10.20	12.20	6.12	
52	Hantsport		10.40	12.50	6.42	
	Wolfville	41 .	11.10	1.40	7.24	
	Kentville		11.40		7.50	
	Berwick		12.12		****	
Control Control	Aylesiord	- 66 .	12.25		-	
	Middleton			5.00		
	Lawrencetown	-11 .	1.15			
	Bridgetown	- 11	1.35			
	Annapolis-arri	va	2.10			

190 St. John by Steamer... 8.00

Miles.	STATIONS.		Pass. and Frgt.	and	Exp. No. 6.	
D.	St. John by Steamer.		A. M.	А. М.	8.00	
	Annapolis Leave	0.			2.20	
14	Bridgetown "		****	40 440		
	Middleton "			10.07	3.3	
42	Aylestord			11.15		
	Berwick " Kentyille "	•	7.30	11.35		
	Wolfville		-	The state of the s	5.2	
	Hantsport	•	8.33			
	Windsor " Newport	•	9.20		6.2	
90	Ellershouse		10.07	3.40	6.3	
	Mount Uniacke		10.45	The second secon		
110	Windsor unc. "	•	11.45 P. M.			
	Bedtord "		12.03	5.55		
129	Halifax-Arrive		112.30	6.25	8.2	

ST. JOHN TO HALIFAX.

N. B.—Trains Nos 1 and 6 run in connection with the S eamer "Scud," and on Monday, Wednesday, and Saturday only. Steamer "Scud" leaves St. John on Mon-DAY, WEDNESDAY and SATURDAY, at 8 a. m. for Annapolis, and return same day, on arrival of 8 a. m. Express Train from Halfax. International Steamers leave St. John, on MONDAY and THURSDAY, at 8 a m., for Eastport, Portland, and Boston.

European and North American Railway Trains leave St. John, at 8 a. m. for Woodstock, Fredericton, St. Stephens, Bangor. Portland, Boston, and all parts of the United States and Canada.

Through Tickets at reduced fares by above routes to all parts of the United States and Canada may be obtained at the Company's Office, 126 Hollis Street, Halifax, at Richmond, and the principal Stations on the Railway. P. INNES, Manager. Kentville. 30th March, 1874. April

Hats and Caps.

WE have now on hand a full Stock of all kinds, including the kinds, including the NEWEST STYLE ; to which we invite the attention of our friends,

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Our prices are as low as any in the city. Silk Hats made to order by Conformatour Measure, without extra charge. EVERETT BROTHERS.

May 3.

100 Granville St.,

# Scientific.

THE PYROPHONE .- M. Frederic of the largest orchestras. It is termglass or other suitable material, two or more isolated flames of proper size such flames will vibrate in unison. The phenomenon continues as long as the flames remain separate, but the sound ceases the instant they are brought in contact.

The pyrophone, at first sight, resemoperated by air blown in, it produces its notes by the singing of the flames within the tubes, the quality of the sound, its pitch, and intensity depending of course on the dimensions of the where. This material, when dry, has latter. The burners from which the great power of absorption. It is also flames emerge are so arranged that the a wonderful decdorizer. The carcase flames run together, but may be separ- of a dead cow or horse, covered up in ated instantly by pressing down a key dry muck will gradually decompose, on an ordinary key board, seen in without any offensive odor. Compostfront. The position of the key in ing may be done on the spot where the relation to the sound, is the same as manure is dropped. Dry muck or dry upon the piano or organ. According loam is a most congenial bedding for to the law above cited, as soon as a all kinds of stock, and there is nothing the corresponding tube, give forth a pure. This will absorb the liquid note, continuing, as in the organ, as manure, and if thrown out with the long as the key is held down.

and purity, that of the human voice .-Scientific American.

cording to some naturalists the length and decompose large quantities of though it is really puzzling to see how | wise go to waste. they can tell all this, especially about those that live a hundred years or resources, the farmer may avail himmore:

The rabbit lives from 6 to 7 years. The squirrel from 7 to 8. The fox from 14 to 15. The cat from 15 to 16. The dog from 16 to 18. The bear and the wolf from 18 to 20. The rhinoceros from 20 to 22.

The horse from 22 to 25. The hen from 25 to 30. The cow and the camel 100. The tortoise 100. The eagle 120.

The swan 160. The elephant 40.

years.

cerns everybody, namely thequality of that which is " the staff of life."

It is proposed to construct a railway in an hour and a quarter, and the line is to cost six or eight hundred thousand dollars. One of the promoters is said "to be enabled, by his study of the subject, to guarantee the safety of the passengers in the event of an eruption."

of its class.

teacher of a small pupil, who was Once a year the bulbs should be alreply : "You do-to see Liza."

# Agricultural.

COMPOST. - Manure is the food of Kastner, of Paris, has recently devised | plants, and requires to be decomposed, instrument, which, it is said, produces in order that it may enter the pores ed by the inventor the pyrophone. meant to nourish. In the crude, coarse M. Kastner finds that if, in a tube of condition in which it exists before separated." undergoing fermentation and putrefaction manure is unfit to be assimilated be introduced and located at a roint by the organs of plants; and though it corresponding to one third the length | may be buried in the soil, it lies there of the tube, reckoning from the base, as an inert and useless mass, until slow ly disintegrated and incorporated with kin. It differs from other pumpkins,

of ways. It is like hash, which may be numerous fruits hanging from the made of fish, flesh, or fowl, with pota- stem, six or eight in diameter, said to toes as a kind of base of operations, be of excellent flavor and quality." bles an organ; but instead of being. Muck, or some substance abounding in The Tree Pumpkin takes less room vegetable matter, as leaf mould or than the common varieties, and may soot in like manner is a good base of operations for a compost heap. Muck beds are to be found almost everykey is pressed the separated flames, in better for keeping the air of a stable solid excrement into the cellar, will It is said that the music thus pro- make first-class compost. The use of duced is extremely beautiful, and that muck or loam in horse-stables will the sound closely resembles, in delicacy also antidote the "fire fanging," by which so much valuable manure is iments to be slightly affected by drying; injured and subjected to loss. Muck indeed, in some experiments the dried or loam in the hog-pen, hennery, hay is found to be more digestible than How Long ANIMALS LIVE .- Ac- water-closet and barn-yard, will save the green food. of the life of animals is as follows, fertilizing material, that would other- Agents for the Christian Messenger.

Besides these and such-like home self of outside helps to the compost heap. Wood ashes, leached or unleached, may be advantageously mixed with muck and other substances. Plaster is another useful incredient. All the wash of the kitchen and chambers, all the old bones and woo'len rags, every description of refuse that will decompose, ought to find a place in the compost-heap.

GROWING VEGETABLES.—The Gardener's Monthly says: There are but few varieties of vegetables grown but pay in proportion to the fertilizers The whale, according to Cuvier, 100 used, other things being equal. To experienced growers, I know that I can say nothing that will benefit them. How to select flour .- 1. Look To begin, I would say, in the first at it's color; if it is white, with a slight- place, soil is of the first importance. ly yellowish or straw colored tint, it is You want light, sandy loam; without a good sign. If it is very white, with this you will be several days behind a bluish cast with white specks in it, those having the proper soil, earliness the flour is not good. 2. Examine its being the cream of the business. Then adhesiveness-wet and knead a little you want your ground thoroughly of it between the fingers; if it works fertilized; this you cannot do in one dry and elastic it is good; if it works | year, nor in two; three heavy coats of soft and sticky it is poor. 3. Throw manure—then you may expect remuna lump of dry flour against a dry, erating crops-but you must continue smooth, perpendicular surface; if it the fertilizing every year. Another adheres in a lump the flour has life in thing is, being ready to put in your it; if it falls like powder it is bad. seeds at the proper time. Gardening 4. Squeeze some of the flour in your consists la gely in preparation. No hands; if it retain the shape given by one need be afraid of having his ground the pressure, that too, is a good sign. too much pulverized,, even if he Flour that will stand all these tests it should plough it twice or three times, is safe to buy. These modes were and roll it and harrow it as often. given by old flour dealers, and we Get your ground thoroughly mellow make no apology for printing them, before you put your seed in, then you Locke's Island—Xerxes Z. Chipman, Esq. as they pertain to a matter that con- are ready for planting. Now you St. Mary's Bay, Digby Co.—Chas, McNeill, Esq. want pure seeds of the kind of vegetables you want to grow. Without these you cannot succeed. The gardener who has his ground properly from Naples to the crater of Mount prepared, with good seeds planted and Vesuvius. The journey will be made up ready for cultivating, has made a beginning which he has only to follow up diligently to make a good crop.

CULTIVATION OF SMILAX .-- Mr. J. Vick, than whom there is no better authority as a florist, gives the following directions for the household culture of this plant, now so much used in A NEW COMET .- The discovery of floral decorations, for twining in the a new bright comet is announced by hair, and for trimming party dresses: the Academy of Sciences, Vienna. "With a little care it can be grown" An observer at Yonkers, N. Y., states successfully as a house plant. The that it is nearly globular, about two seeds should be sown in a box or in minutes in diameter, with a decided pots in the house, and should be kept condensation towards the center. In moist till the young plants appear. brightness it is above the average, The seed being rather slow to germinbut it does not in other respects pre- ate, you must not think it bad if it sent any notable difference from objects | does not make its appearance in two weeks. The young plant should be potted off into three-inch pots as soon "What comes after T?" asked a as they are three or four inches high. learning the alphabet. He received the lowed to dry off and rest. They will start into growth again in about six

weeks. The vine does not require the full sun, but will grow well in a partially shaded situation. It can be trained on a small thread across the window or around pictures. It is a a novel and very remarkable musical so as to be either soluble or gaseous, climbing vine, and will attach itself to a string in just about the right condiastonishing effects even in the midst of the rootlets, and become part and tion to use for wreaths, &c.; or when parcel of the delicate structures it is required for lighter work, the branches which become entangled can be

> A new species of pumpkin is announced from Jardin d'Acclimation at Paris, under the Spanish name of "Zapallita de tronco." or Tree pumpas it does not run, but is more upright Compost may be formed in a variety than the Bush Scollop Squash, with be worth a trial here. The seeds were obtained from Buenos Ayres .-Country Gentleman.

> > I knew a farmer who thought all weather the best weather; a barren year good as a fruitful one, as giving the earth a needed rest or sort of Sabbath, and who never quarrelled with the qualities and capacities of the soil, but took it gladly as it was, and accepted white beans with the same grace as he would wheat. Blessed is the man who can contentedly give up what he must.

The digestibility of red clover, lucerne, and other green food, has been shown by recent German exper-

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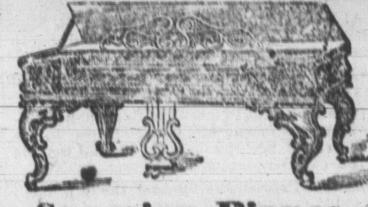
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NEW

Vol. X

I stood beside

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