

Scientific.

"HE MADE THE STARS ALSO."

Dr. Adams preached one of his characteristic, delightful discourses, says the Traveller, Sunday morning, to an overflowing congregation, in the Columbus Avenue Congregational church. His theme was; "He made the stars also." It was not, as might be supposed, an astronomical, but rather an anti-astronomical discourse. To be sure allusions were made to some of the astounding facts illustrative of the wonders of the heavenly world, yet the central thought of the discourse was—the comparative unimportance of astronomical, and, in fact, all scientific and merely secular knowledge, when contrasted with the knowledge of God and of the way of salvation through Jesus Christ. In illustration of this, the speaker dwelt on the fact that God had dismissed His great creative work of the stars in just five words; or, as it stands in the original, in three words; for the original reads, "And God made two great lights; the greater light to rule the day, and the lesser light to rule the night—the stars also." While man, and all that is adapted to teach him his true character, and his relations to God, and the way to be saved through God's co-equal Son—these are essentially the burden of the sacred writings. All which goes to show that of all knowledge this is the chief, and in fact the only indispensable knowledge for man—to know God, the true God, and Jesus Christ whom He hath sent, whom to know aright is eternal life. Before this knowledge all other knowledge pales, as do the street lights before the rising sun.

A fish mystery is troubling Council Bluffs. Spoon lake, a placid sheet of water near that city, has never been known to contain fish "to any extent" until recently, when its waters not only swarmed with myriads of finny monsters, but the surrounding shores are alive with fish. They have come in such enormous numbers that the waves wash them high and dry on the shore where they lie knee-deep, dead and putrifying. The fish trade in Omaha and Council Bluffs has become prodigious. The fish seem to be greatly astonished at their new surrounding, and stick their heads from the water and open their mouths as if they wanted air. A little boy takes a flat board and wades into the water and in ten minutes throws out as many fish as a wagon can carry, varying in weight from two to five pounds. People who have lived in the neighborhood for years declare the phenomenon unprecedented, and various wild theories are put forth in explanation. The prevalent belief is that the swarm came into the lake by a subterranean passage, during a late storm, while a few venerable observers contend that the Missouri overflowed its banks and flooded the lake with catfish and perch.—Ez.

How SOIL WAS MADE.—Professor Agassiz says that all the material on which agricultural processes depend are decomposed rocks, not so much rocks that underlie the soil, but those on the surface and brought from considerable distances, and ground to powder by the rasp of the glacier. Ice all over the continent is the agent that has ground out more soil than all other agencies put together. The penetration of water into the rocks, frost, running water and baking suns, have done something, but the glacier more. In a former age, the whole United States was covered with ice several thousand feet thick, and this ice moving from north to south by the attraction of tropical warmth, or pressing weight of ice and snow behind, ground the rocks over which it passed into the paste we call the soil. These masses of ice can be tracked as surely as game is tracked by the hunter. He had made a study of them as far south as Alabama, but had observed the same phenomenon particularly in Italy, where among the Alps, glaciers are now in progress. The stones and rocks ground and polished by the glaciers, can easily be distinguished from those scratched by running water. The angular boulders found in meadows and the terraces of our rivers not reached by water, can be accounted for only in this way.

Isn't it queer that contractors should be engaged to widen streets?

BEAUTIFUL CHEMICAL EXPERIMENT.—The following beautiful chemical experiment may easily be performed by a child, to the great astonishment of a circle at a tea-party. Take two or three leaves of red cabbage, cut them into small bits, put them into a basin, and pour a pint of boiling water on them; let it stand an hour, then pour off the liquor into a decanter. It will be of a fine blue color. Then take four wine-glasses; into one put six drops of strong vinegar, into another six drops of solution of soda, into a third the same quantity of a strong solution of alum, and let the fourth glass remain empty. The glasses may be prepared some time before, and the few drops of colorless liquids which have been placed in them will not be noticed. Fill up the glasses from the decanter, and the liquid poured into the glass containing the acid will quickly become a beautiful red, that in the glass containing the soda will become a fine green, that poured into the empty one will remain unchanged. By adding a little vinegar to the green it will immediately change to a red, and on adding a little of solution of soda to the red it will assume a fine green, thus showing the action of acids and alkalis on vegetable blues.

Ducks are said to do good service in exterminating the potato bug. A gentleman of Piqua, Ohio, put a pair of Moscovites into a patch, which was literally swarming with bugs. The ducks ate the bugs with such avidity, that the latter were soon exterminated, and the patch has not been touched or troubled since with them. The ducks did not appear to suffer any ill effects from eating the bugs, and were not slow in "taking in" all they could discover. The duck remedy is certainly worthy of attention.

Boxing the ears is an inexcusable brutality. Many a child has been made deaf for life by it, because the drum of the ear is a membrane, as thin as paper, stretching like a curtain just inside the external entrance of the ear. There is nothing but air just behind it, and any concussion is liable to rend it in two, and the "hearing" is destroyed forever, because the sense of hearing is caused by the vibrations of this drum or "tympanum."

BED-BUG EXTERMINATOR.—Mix as much quicksilver with the white of an egg as can be thoroughly mixed with it. Place this compound near where the bugs are and they will feed upon it voraciously, but it will be sure to kill them. It will remove the pests in a few days.

"The thinnest sheet of iron ever rolled" has recently been made at Swansea, Wales. It would require "at least four thousand and one hundred such sheets to make one inch in thickness."

An exchange paper, in noticing the fair of a religious association, says: "The annual sale of the ladies of the society will take place on Thursday evening next."

A western paper describing the debut of a young orator says, "He broke the ice felicitously with his opening, and was immediately drowned with applause."

"The prisoner has a very smooth countenance." "Yes; he was just ironed before he was brought in. That accounts for it."

When is a fowl's neck like a bell? When it is rung for dinner.

LITTLE LEAKS.—"An occasional absence from church or the prayer meeting; a little shortening of private devotions, a trifle more time for social and a trifle less for religious duties, will do me no harm," reflected a youthful Christian. But in a few months she mourned,

"Where is the blessedness I knew?" Through the little pores the vitality of her piety had oozed away.—Congregational.

A French lady, on her arrival in this country, was careful to eat only such dishes as she was acquainted with, and being on one occasion pressed to partake of a dish new to her she politely replied: "No I thank you; I eat only my acquaintances." She thought she had expressed herself in admirable English.

MESSENGER ALMANACK.

SEPTEMBER, 1871.

Last Quarter, Sept. 6th, 5h. 5m. afternoon. New Moon, " 14th, 2h. 55m. afternoon. First Quarter, " 21st, 0h. 58m. afternoon. Full Moon, " 28th, 1h. 30m. afternoon.

Table with columns for Day, SUN, MOON, High Tide, and Low Tide. Rows list days from 1st to 30th with corresponding astronomical data.

THE TIDES.—The column of the Moon's Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hanisport, 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. At Charlottetown, 2 hours 55 minutes later. At Westport, 2 hours 41 minutes later. At Yarmouth, 2 hours 20 minutes later.

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.

A. V. P. B.

ARCHIBALD'S VEGETABLE PAIN BALSAM is an article worthy of patronage and should be found in every house. It is equal if not superior to any other Pain Killer now in use. Also, Archibald's Cough Mixture for Coughs, Colds, and all Lung Diseases.

The Proprietor has removed to Truro, Colchester Co., N. S., is now extending his business, and will be prepared to furnish his numerous patrons with the above, as well as many other valuable remedies compounded by him. Sold by all the principal Dealers and Druggists in the Provinces.

CHALONER'S ANILINE DYES.

THE proprietor of the celebrated Aniline Dyes in packets wishing to prevent the public from impositions, begs to call attention to Messrs. Avery & Brown's imitation of his own, containing only ONE FOURTH THE PROPER QUANTITY to retail at the same price as his, viz. 10 cents. The proprietor has some one else in this province in view, but not having ocular demonstration, will only refer the imitator to the above with the caution that whenever there is not a shadow of a doubt in his favor he will be advertised also. The only genuine are to be had in St. John, of Messrs. T. B. Barker & Sons, Hanington Bros., and H. L. Spencer, all of whom buy largely.

These Dyes give better satisfaction than any other class, they are in almost all colors, Magenta, Pink, Fonceau, Yellow, Mauve, Violet, Purple, &c. (no black) with directions. The original have the directions printed on colored labels corresponding with the shade of the dye, they are soluble in water. For any further information on the subject, ADDRESS.—J. CHALONER, Inventor and Proprietor of the Aniline Dyes in packets, Corner King and Germain Street, St. John, N. B. May 10. 3m.

American Organs.

A New and Popular Series of Instruments.

The Manufacturers, desirous of meeting the general desire for organs with all substantial excellences and at a moderate price, have designed and made a series of styles that are in all respects superior to any instruments for similar price; namely from \$1.00 to \$200. Not only are the cases of new and tasteful designs, but every part of the mechanism has been subjected to the most careful scrutiny in order to combine all the elements that can be looked for.

THE KALOPHON.

This tone possesses a most fascinating quality, closely resembling the real VOX HUMANA, being delicate and sympathetic, and free from the disagreeable tremor that haunts most of the mis-called VOX HUMANA stops. Numbers Four and Five will found especially effective in churches of moderate size. Number Four has an Octave of Sub-bass, and Number Five both Sub-bass and an Octave Coupler, giving a great increase of power, but with no sacrifice of sweetness.

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are also offered, of which the catalogue of the manufacturers will give information. Send for circular! Address

The Smith American Organ Co. BOSTON, MASS. C. E. GATES. AGENT FOR THE PROVINCE. For sale in HALIFAX by S. SELDEN. May 17.

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THE Subscribers having been appointed Sole Agents in the Province for the sale of this article, recommend it as being the easiest and most comfortable to rest upon, and together with its durability, and the facility with which it can be taken apart and cleaned, they feel certain that it will be found to be a most convenient article. May 20. GORDON & KEITH.

EAGAR'S Peruvian Bitters!

Of Peruvian Bark, Sarsaparilla, Dandelion, Wild Cherry, and other valuable remedies. AN EXCELLENT TONIC, APPETIZER, & STIMULANT.

Cures LIVER COMPLAINT, DYSPEPSIA, ACIDITY of the STOMACH, DEBILITY and PAIN in the BACK, RESTORES the VITAL ENERGIES, when exhausted, braces up both the Nervous and Muscular Systems, PURIFIES the BLOOD, and Restores the Appetite. Particular attention is called to the fact that the

PERUVIAN BITTERS

are not an Alcoholic preparation, but simply a scientific combination of valuable Roots and Barks, which purifies the Blood and restores the waste, thereby bracing up both the Nervous and Muscular Systems, and giving that permanent HEALTH, STRENGTH and VIGOR, both of mind and body which nature intended man should possess.

This BITTERS is not sold as a specific for every disease, but in cases of GENERAL DEBILITY and its effects, such as Dyspepsia, Loss of Appetite, Weakness of the small of the Back, Weak Memory, Inadequation for Exertion. Sense of Fullness after Eating, &c., caused by anxiety over exertion, mental or bodily, late hours, and excesses of every kind, it has no equal.

Although these BITTERS contain no Alcohol, they will most effectually wean the taste from Stimulants and enable the system to dispense with them at once. The proprietor, although averse to the practice of putting any medicine, feels it his duty to give publicity to the following certificates.—Hundreds could be added, but such names as Dr. How, Professor of Chemistry at King's College; Capt. Hardy, R. A.; Mr. Solomon, Lunenburg; and Dudley de Chair, Esq., Halifax, will be sufficient to establish its reputation as a reliable and valuable medicine.

CERTIFICATES:

I have found Mr. Eagar's PERUVIAN BITTERS beneficial to myself and in my family, and have heard of their being used with good effect in another case in Windsor. (Signed) HENRY HOW, D.C.L. King's College, Windsor.

MR. EAGAR,—I have used your PERUVIAN BITTERS in a personal case of Dyspepsia, and have derived the greatest benefit therefrom. (Signed) C. HARDY, Capt. R. A.

LUNENBURG, 28th June, 1869. MR. EAGAR,—I have used your PERUVIAN BITTERS and can highly recommend them, as I have derived great benefit therefrom. (Signed) EDWARD H. SOLOMON, Dy. Surveyor, Co, Lunenburg.

I have tried Mr. Eagar's PERUVIAN BITTERS, and can strongly recommend them. (Signed) DUDLEY DE CHAIR, Halifax, June 3, 1869.

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gives instantaneous relief in all cases of Tooth Ache arising from hollow teeth and exposure of the nerve. Thousands of bottles have been sold and in no case has it failed to give satisfaction. Be sure and obtain Eagar's Odontine Essence; take no other. The money will be returned if it fails to give relief when used according to directions in cases of tooth ache from exposed nerve. 25 CENTS PER BOTTLE.

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Prices of any articles will be given with pleasure when required. Should any article purchased at his establishment not prove to be what it is represented, it can be returned at his expense, if not otherwise made satisfactory. M. F. EAGAR, 149 Hollis St. Halifax. Feb. 23.

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