in the solar spectrum there was found in the yellow band a broad line which was found to miles. Three meeting-houses regularly attend- history. Lord Palmerston's government, notartificial flame in which soda was burning. In the solar spectrum there were dark lines occupying exactly the same position as the bright lines in the spectra of potassium, calcium, nickel, copper, iron, zinc, and a number quite satisfactorily that all these substances did exist in the sun; but there was only one thing wanting to render it quite certain, and that was to show how it was that the lines in the second flame. The line is said to be reversed. The reversal of the solar lines passing through the sun's atmosphere, which the form of vapor.

of the sun; a thing which we should have expected, since they shine by the reflected lowship of the church fifteen persons. One of light of that luminary; but the light of the fixed stars gives in analysis different results.

ascertained to exist in the sun. The spectro- Horrid oaths often burst from his lips in comscope has not been able to detect in the sun of the gold, silver, or lead, or many other spent in drinking and gambling. During the substances found on the earth. Many of the first year of my ministry here I was sent for to servedly admired and esteemed by all classes substances common to the earth and sun have visit a daughter of his, who was supposed to be of the liberty-loving people of England. not yet been found in the fixed stars.

M. M. Bunsen and Kirchoff, the two great pioneers in spectral analysis, in examining a flame in which was burning the residue of a mineral water from Druckheim, observed two setts of lines in its spectrum which corresponded to those of no known substances. Suspecting that there existed in this mineral water two new substances they made search for them, and succeeded in extracting one of them from the water, a metal, allied to potassium, which they have called casium, They found that a mineral called hepidolite lines of the other substance, and they obreceived the name of Rubidium. A third new metal has lately been detected by the the same process. Casium and Rubidium are found in the sun.

The discoveries of the spectroscope have opened up a vast field for research, the investigation of which is being eagerly entered upon. These inquiries will, we doubt not lead to the most interesting results.

Museum of Comparative Geology, March 25th, 1864.

Christian Messenger.

HALIFAX, APRIL 20, 1864.

WE find the following interesting items of information in the London Freeman, from their Nova Scotia Correspondence :

Thursday, the 25th ult., was the day of prayer for colleges. It is very generally observed on this continent by the evangelical denominations, and has been often followed by an abundant bestowment of blessing. At Wolfville, where Acadia College is located, a sermon to the young was preached by the pastor in the morning, and in the afternoon a meeting for at that Institution. prayer was held. The president of the college read a number of letters which he had received from former students, who are now labouring in the ministry. Some extracts my be interesting to your readers :-

"The district in which I labour is about

baptisms the past year." church. God graciously visited us with an out-pouring of His Holy Spirit, and many sinners were quickened and brought into the enjoyment fast in the liberty wherewith Christ has made ther reduction in some of the taxes.

correspond with the bright yellow line of the ed, as time will permit, besides seven or more withstanding these facts, seems still to give other preaching stations. Baptized during the

"I have baptized forty-one during the year ending December 31, 1863, thirty-seven of whom are heads of families, and two of them converts from the Church of Rome. These converts, I of other substances, which seemed to prove am happy to say, are generally walking in the truth. I have now six preaching stations. am teaching two Bible-classes; the average attendance is about seventy-five, and the interest in these classes seems to be on the increase."

"My field extends about ten miles. I have the solar spectrum were dark, while those of three preaching stations. I use the Presbyter- due energy, the large influence which England terrestrial spectra were bright. At last it ian catechism to drill my young people. These has for many years past exercised over was discovered that, if we allow the light of catechisings are public, before the whole congre- European politics. This Department, until a flame in which soda is burning to pass gation. Young men and young women stand through a second and feebler flame in which also soda is burning, before it reaches the teaching. Preaching is often like oil cast upon up to recite. I attribute much of the religious prism, instead of the bright line so character- the water-not coming in contact with mindistic of soda, we shall have in its place a and if not followed by teaching, will not have a age and life-long labours, can continue to bear dark line. That part of the light of the first very lasting impression. We want teaching as on his shoulders the enormous burden of diflame which would have formed the bright well as preaching among our people; and I recting the affairs of the largest and most soda line is extinguished in passing through know no better method than by catechising." This brother baptized one hundred and six persons last year.

" During the past year a gracious revival was is thus explained. The body of the sun is in enjoyed in a part of my field of labour. Fifan intensely heated state. Containing vari- teen willing and happy converts were baptized on the 12th inst. In the mean time hostilious substances found on earth it would give in the name of the Lord Jesus. . . . The ties do not cease. The Prussians have again their characteristic bright lines, were it not more I see of the ministry, and consider the been repulsed by the Danes in an attack on that these lines are reversed by the light minister's appropriate work, and the end he should have constantly in view, the more I am convinced that the great desideratum in a minis also in an intenser though less heated state, ister is not piety merely, but deep, full-hearted, and in which these same substances occur in growing, and ever-expanding piety; in other e form of vapor. words, piety up to the Scripture type and stands so conflicting, and the parties implicated so The light of the planets and fixed stars and. Learning is good, and highly desirable; numerous, that there is much reason to fear has been analysed. That of the former gives indeed, almost necessary in this age; but, with- that the peace of all Europe may yet be enthe same results as the aralysis of the light out piety of the kind named, learning may be only mere polish, without power."

> "I have baptized and received into the felthem was a man who had passed the meridian of life, and had raised a numerous family, ere dying, and was in awful agony of mind. It pleased God to restore her to health, and she rose from her sick bed a changed person. Afher wicked father. She persuaded him to atoff his evil habits. Her labours have been blessed, and he now appears to be a miracle of grace. None are more constant in attending meeting, and none more fervent in social prayer. Is not this 'a brand plucked out of the fire'?"

mentioned above. The writers furnished statistics, showing that during the year 1863 they had occupied ninety-three preaching stations, gave with the spectroscope the characteristic and baptized 374 persons on a profession of faith. The old and absurd objection, that edutained from it a second new metal which has cation spoils a minister, certainly does not apply here, if success be taken into the account. Our educated ministers are among the most useful.

> ONE of our correspondents asks if the Baptists of England have any Educational institutions of note. In looking over Dr. For-

> places :

Rawdon, near Leeds, Regents Park, London, Pontypool, Haverford West, Chilwell, near Nottingham, and at the Metropolitan Tabernacle.

They have no Normal School for the training of Teachers belonging especially to the denomination, but they, pretty generally, sustain the British and Foreign School Society's Baptist Teachers usually get their training

NEWS SUMMARY.

seven miles by fifteen in extent. Another la- importance by the steamer Asia, which arbourer is very much needed. . . . I find that rived on Thursday last after a very boister- Island, Cape Breton, our records show thirty-three as the number of ous passage. The British Parliament were Rev. R. Philip, 3 months at Waverly and vicinin recess during the Easter holidays. The Rev. David Shaw, 3 months among the col'd popurch. God graciously visited us with an outsurplus of two millions and a half sterling, at the end of the financial year. This, it is of spiritual life. It was my privilege to baptize supposed, will enable Mr. Gladstone, the thirty-six happy believers, who are all standing Chancellor of the Exchequer, to make a furing, the present may be fairly considered as C. Jost, Esq.

"Field-extensive—say a hundred square one of the most prosperous periods of her evidence of increasing weakness, and were there a strong and able opposition, there can be no doubt that it would not survive the end of the existing Parliament. This is in great measure occasioned by the unpopularity of their foreign policy. Earl Russell (Lord John) the Secretary for foreign affairs, has been particularly unfortunate in his foreign measures, and is accused of having materially lessened, by injudicious medling and want of very lately, has been Lord Palmerston's most successful and popular branch of public duty, but the Premier is now in his eightieth year, and it is only wonderful how a man of his powerful Empire on the globe.

The Conference of the different Powers of Europe for the pacification of the Danish and German quarrel was to be opened in London Duppel, with considerable loss, It seems quite uncertain, however, whether anything effectual will be done at the Conference. The questions are so complicated, the interests dangered, by what at first was considered but a petty quarrel about a small German Duchy.

General Garibaldi was on his way on a visit to England. It is said, on account of his health. Great preparations are being theria, in the short space of about three weeks, The number of simple substances known to he became the subject of a spiritual change, made in many quarters to afford him a grand enter into the composition of the earth is Previous to this he had lived a very wicked life. reception. As standing at the very head of about 63. Of these some nine have been For years he had been a confirmed drunkard, the liberators of Italy, so far as that great measure has been yet effected, as well as on account of the honesty, simplicity and rare large quantities of maple sugar being obtained disinterestedness of his character, he is de-

> We need offer no apology to our readers for the diminished amount of editorial matter her conversion she sought the salvation of ter in our present issue, seeing that our pages are so well filled with other valuable articles. tend the preaching of the Gospel, and to break We shall have less occasion to occupy our space with legislative proceedings after another week or so; those of our friends who are not so much interested in this department will shortly be gratified to find that space Twenty-one letters were read on the occasion filled with subjects more to their taste.

Motices, &c.

Received for Foreign Missions. Dear Brother,-I here inclose you the sum of \$1 to be forwarded to the Rev. A. R. R. Crawley in India, for the purpose of aiding the support of a native Preacher, to tell the story of peace to sinful men through Jesus, the prince of peace. This little sum was collected by the Juvenile Missionary Society of

Central Argyle, during the year, and is the largest offering they have hitherto made. Their annual restor's Educational Report he finds mention the pleasure of being present. Two young girls made of large sums raised by other denominary spirit, which caused some of our aged brethren ary spirit, which caused some of our aged brethren ary spirit, which caused some of our aged brethren to rejoice greatly in God, and in the prospect of our mention made of what is done by the Baptists.

For the information of our worthy friend we may state that the Baptists of England have Collegiate Institutions in the following places: so richly enjoy.
On behalf of our Argyle children.—Com. by Rev.

[The Secretary Rev. Dr. Tupper, will please debit us said amount.-ED.]

Acadia Athenaum.

The closing lecture of the season, before the above named Society, will be delivered in the Vestry of the Baptist Meeting House, Wolfville, on Friday evening, April 22nd, by the Rev. A. H. Munro. Subject—"Failure and success." L. S. Monse, Cor. Sect'y.

Monthly Meeting of Home Miss. Board Normal College, Borough Road, London, IN THE VESTRY OF GRANVILLE STREET CHURCH.

Wednesday, April 6th, 1864. Present,—Rev. A. H. Munro, in the chair. Revds. David Shaw, R. R. Philp, T. H Porter, Jr., Brethren S. Selden, Geo. Robins, H. N. Paint, Alex. Robinson, and Secretary. Letters read from Revds. Ronald McDonald, R. R.

Philp, and Bro. H. R. Cunningham. WE have received little European news of New Harbour, Crow Harbour, and Sand Point, Rev. Ronald McDonald, 6 weeks at Boularderie

R. N. BECKWITH, Sec'y. H. M. Board.

Letters Received.

R. G. Freeman, 11th, \$12. Rev. W. Hall, fast in the liberty wherewith Christ has made them free. The church is walking in the fellowship of the Gospel, and evincing a good descourage. My field of labour is now very large, being eighteen miles long by sixteen broad, insling three churches and six preaching stations."

Christ has made the Exchequer, to make a further thanks and the reduction in some of the taxes. A large amount of prosperity continues to be enjoyed by the Empire at large, and as England is at peace in almost every part of the world, and commerce, East and West, in every portion of the globe, is hourly extending three churches and six preaching stations."

Christian Rev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Musgrave, large amount of prosperity continues to be enjoyed by the Empire at large, and as England is at peace in almost every part of the world, and commerce, East and West, in every portion of the globe, is hourly extending three churches and six preaching stations."

Christian Rev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Musgrave, large amount of prosperity continues to be enjoyed by the Empire at large, and as England is at peace in almost every part of the world, and commerce, East and West, in every portion of the globe, is hourly extending.

Christian Rev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Musgrave, large amount of prosperity continues to be enjoyed by the Empire at large, and as England. Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C. H. Whitman, 9th. Alex. G. Hev. W. Hall, Sth. C.

To Correspondents .- We have been unable to insert all the communications on hand. A. K .- Your " Other side of the story " shews the abuse of what is good, not the proper use of

" One of the Committee " should have given his proper name.

General Antelligence.

Domestic.

EXPLOSION AND LOSS OF LIFE .-- On Thursday last a serious accident occurred at Messrs. Cunard's Machine Shop. A boiler of a steam engine was being tested, and suddenly burst, casting the fragments around on every band. Mr. Muirhead, the chief engineer, was just about to diminish the pressure upon it when the accident occurred. His head was seriously injured and he was badly scalded. He died the same evening. Three others were more or less injured—James Crosby, engineer of Steamer Merlin, James Blair and Archibald Warner; the two latter less seriously than the former. The inquest held on the body of Mr. Muirhead returned a verdict of Accidental Death.

The model of a very ingenious self acting gate, invented by a deaf and dumb man named Michael Keating, has been lodged in the Secretary's office. The inventor has taken out a patent.

The Railway Returns for March shew an increase of \$2954.55 over March 1863,

The next session of the National Division of the Sons of Temperance will be held at Cleveland, Ohio. The Rev. Dr. Cramp has been requested to attend as a Delegate from the Order in this Province .- Abstainer.

DISTRESSING MORTALITY.-In our list of Deaths will be seen a melancholy list of eight members of one family-that of Mr. Joseph Seivright, of Windsor-who died from diphbeing all his family, of various ages, from that of an infant of one and a half, up to twenty-

MAPLE SUGAR .- There is a probability of from our woods this spring. One of our contemporaries seems almost as much delighted, over a cone sent him anonymously as over the possession of other treasures lately fallen into his lap and that of his friends.

THE LATE MURDER .- A colored seaman, named Jackson, was arrested on Friday last, on board the brig Princess Royal, on suspicion of his being concerned in the death of Hume some time ago. He had been on a voyage since. He obtained his release on bail.

Sons of Temperance.-A highly success. ful entertainment was given by the Howard Division last week. Dr. Hamilton, T. W. Chesley, A. Longley and H. Blanchard, Esqrs., were present and contributed to the intellectual festivities.

The City Council have offered to present the Market House Clock to the Commissioners for erecting the contemplated Provincial Building, provided they will place the same in the cupola of that edifice.

It is not expected that the Legislature will rise till the first week in May. The Revised Statutes have made great demands on the time and extended the session to greater length than would otherwise have been required.

INSPECTOR OF GAS METRES .- The Gas Company have signified their willingness to pay into the City Treasury the sum of \$200 annually towards the salary of that officer-without having any control over him.

THE MINERS' STRIKE .- There has been dissatisfaction amongst the colliers at the Sydney Mines with the wages received by them. They have refused to work without an increase,—the hardness of the seam and its greater depth are given as reasons why their demands should be complied with.

THE UNION OF THE PROVINCES .- The resolation agreed to by the House of Assembly in favor of this movement was unanimously adopted by the Legislative Council on Friday last.

AN EXHIBITION OF FLOWERS AND POUL-TRY is to be held in the Masonic Hall to-morrow. This is got up by Messrs. Downs and Leahy, and we doubt not will be largely patronized. The band of the 16th Regiment will be present and add to the attractions.

GOLD DISCOVERIES AT HAMMONDS PLAINS. -Some fine specimens of gold having been found at Hammond's Plains, it is reported that an American Company has offered the hand-some sum of £1000 for a portion of of the property upon which it was discovered. Who says and is not looking up at Hammond's Plains !-Reporter.

Dr. J. Denham Hume successfully amputated the injured leg of a convict at the Rockhead Prison, yesterday, and the operation is admitted on all hands to have been most skilfully performed.

ROBBERY .- The office of W. Annand, Esq., Managing Director of the Nova Scotia Land, Gold Mining and Amalgamating Company, was burglariously entered last week, and a small nugget of gold robbed from a cabinet.

A costly Harmonium has been presented to the National School, by Edward Binney, Esq., being an addition to the many substantial proofs he has given of the warm interest he takes in the welfare of that excellent institution.