SCIENTIFIC NOTES.

Music has been found to exert a very and circulation of animals as well as of human subjects.

Scouring Effect of Water .- An engistream increases as the sixth power of yelocity six times as great as another will be able to transport material weighing 46,656 times as much as that carried calculations it is commonly recognized second barely affects fine clay; six inches heart pardon of their sins in the name per second will raise fine sand; twelve of God, before whose judgement seat inches per second will sweep along fine gravel; twenty-four inches per second will carry pebbles an inch in diameter; thirty six inches per second-or about two miles per hour-will push forward fragments the size of an egg.

Crows have been known to free themselves from parasites by standing over an ant-hill and allowing the ants to destroy the troublesome vermin.

The Aurora's Height. Many attempts have been made to fix the height of the aurora borealis, but the estimates have given a discouragingly wide range of figures. The aurora has been observed when it seemed to rest on the earth's surface, and at other times has appeared simultaneously at stations so widely separated that it has been supposed to be 200 or 300 miles high. In experiments with his powerful voltaic battery, practical demonstrations of the effect of electrical discharges in rarefied air were made by Dr. De la Rue. These forced him to the conclusion that thirty-eight miles is probably the height at which the most brilliant auroras take place, that a pale and faint glow may possibly be produced as high even as eighty-two miles, but that at a height of 124 miles no auroral discharge is possible-

In Coffe growing countries an infusion of the leaves of the tree is held by many to be superior to the infusion the berry. The probable value of the dried leaves as an article of commerce has been suggested,

OUR HEROIC PRIESTS.

A Lutherian minister writes the fol lowing beautiful letter regarding our Catholic priests to the 'Deutsche Landes Zeitung":

Pope Gregory VII. was well aware of what he was doing when he enforced with unrelenting strictness the celibacy though already prescribed by the old canon laws) of the priests in the Roman Church. Yes, we Evangelical pastors are great in words, and whoever overhears us in our private circle mus: obtain the highest idea of our courage; even whoseever hears us at our conference should become terrified at our en ergy. But if it depends to transfer our words into actions, if it depends to make head against the world, and to cover with our bodies that flag which we have held up so defiantly but shortly before. then our souls fall to the ground, our courage to ashes. Here wife and children ory. "Let not that happen to you:" there, over anxious friends will come. But what determines the whole issue is that our courage is artificial, and that it is wanting in solid background. The Catholic clergyman knows that God has placed real objects in his hands, but we dispose only of words. With us rhetoric has overgrown all; we are preachers, but we should be priests also; of that, we hardly have the presentiment. Many a nobly educated mind is driven into the bosom of the Roman Church on account of this contradiction.

The Church is in her whole nature a militant one, and it lies in the nature of the thing itself that her priests must fight in the foremost ranks. But how much those warriors not bound to this life by wife or children excel their married comrades in courage and disdain of death is evident enough. A glance at death is evident enough. A grante at my in some the Roman priests of the present age and faith into children, till these latter ing.

Leave Whitewood station on Mondays, proves how well Gregory understood the become a second nature to them. In nature of his Church, and with what long after years, perhaps in far distant certainty he made calculations for her. The band of Roman priests is a band of heroes. They wage the war forced upon them by the present state of worldly affairs with an uninterrupted fire, reminding one of the old Roman legions.

With amazement the world look upon those men, who cannot be compelled by any force whatsoever to do anything con trary to the regulations of their Church They allow themselves to be driven from office and from their tables, they allow themselves to be cast into prison and, uncurbed, they persevere, and re- tue is your own example, and their first pelled to day, they will be found to-mor initiation into common worship, your row at their old posts. They are priests, they are warriors, they are men.

It is not the least prerogative of the neglect them the deepest abyss of the Roman Church that in her are to be sea would be better than the lot which

found priests, that is men of deeds and not of rhetoric or words alone. A half perceptible effect upon the respiration year may have been passed sires the ter rible news reached us that a French vessel ran into aSpnaish steamer in the dark ness of the night, and sank beneath the neer states that the scouring effect of a stormy waters in ten minutes with passengers and crew. While the flood burst the velocity, so that a river having a into the ship and startled from their sleep the unfortunate passangers, who gathered in wild disorder upon the deck the one weeping, the other praying, the by the slower streams. In engineering third staring in silent despair, a Catholic clergyman hastened from one group to that a stream flowing three inches per another, announcing to all contrite of they should appear in a few moments thereafter! Praise your generals who in the battle's tumult present their bosoms to the hostile bullets, extol your statesmen who with tranquil eye look into the barrel of the pistol raised against them by an assassin: compared with the priest they must step into the dark, Where all have lost their presence of mind he is calm; where all shudder at the open grasp of death, he reaches up with safe hands into heaven and offers life to the dying.

And among one hundred clergymen of the Roman Church we find ninety-nine equal to this, Among one hundred clergmen of the Evangelical Church we might perhaps, and one.

You will find no contradiction existing between the idea of the Church, its clerical offices, and the matter-of-fact state of both. Condemn them, this we cannot do.

Is this not an honorary wreath wound for the heads of the Catholic priests those faithful to the Church? And this wreath is wound by the opposing party: Remember this well.

FAMILY WORSHIP.

From the Pastoral Letter of the Plenary Council of Australia

We beg you all to place your children early in their childhood, at good Catholic schools, and to endeavor, by every means in your power, to keep them there in constant attendance. The child whose early years have been spent in a well or dered Catholic home, and in regular and healthy attendance at a good Christian school, has made the best preparation towards meeting the temptations and dangers which beset the manhood years

The work of the day for parents and children should begin with morning prayer. God, in the old law, commanded His chosen people to offer to Himself in recognition of His supremacy, the first annual fruits of the earth. The same God expects in similar recognition from every Christian the first waking to that Church to which Christ has said; thought of the morning, the first homage of the heart resuming its daily consciousness. When possible, morning prayer should be a common duty of the and a very serious neglect of the means household. The few minutes it requires can be easily secured. The benefits, to parent and child, derivable from it are great in the present and incalculable in the future. When at night the Almighty again gathers the members of a home beneath the family roof tree all should pefore retiring to rest, join in that beautiful prayer which strings, one by one the most appealing scenes of Christ's life on the thread of the rosary beads. The words brought down from Heaven by an angel; the imagery coming straight from Bethlenam and Calvary, and Olivet. The prayers asking protection for the present and for the hour of death and the gentle spirit of affection to Blessed Mary, which softens and sweetens the whole, should endear the devotion of the Holy Rosary to every Catholic family. We believe that the father and mother who frequently neglects eve ning household prayers are guilty of a serious dereliction of their duty, as well towards themselves as towards the Christian training of their children. And we are satisfied, on the other hand, that evening prayer and rosary, said constant ly in common, cannot fail to instil piety lands, and in very perilous circumstances, they will take a more than mother's place. The memory of the night pray er in the cottage home of one's parents and one's childhood will speak with willingness all his own, and be listened to for good, when the priest's voice is not heard, or if heard; is not heeded. Catholic brethren, you who give so generously to build your noble churches, and who so love to see your temples fair and decorus, remember that your little one's first lesson in piety and virhousehold prayer. If in the former you

lead them astray, and in the latter you

What we have been saying of household prayer leads us to its more elevated form-Sunday wership. Mount Calvary, as the altar on which the one stupendous sacrifice worthy of God and satisfying His justice was offered, is to us the most important scene of Christ's work on earth. Through it the promised

pardon was realized, and from it all His Sacraments derive their strength. So also the Holy Sacrifice of the Mass_the continuation of Calvary -is the one holocaust left to us by the Saviour, to perpetuate and keep living His Act of Redemption. It primarily, and in a certain sense alone keeps open the intercourse between Heaven and earth, re-established by Him. As Christ did not change or cancel the commandment "Thou shalt not kill," and "Thou shalt not steal," so neither did He or His Church abolish the order to "Keep holy the Sabbath day." This last quite as fully as the others, retains to-day all its original authority. The form which that 'keeping holy" is "principally to take, is the sacrifice of the Mass. And that is the ordination, not of man, but of Him Who says; "This is My Blood, which shall be shed for you and many unto the remission of sins. . . do ye this in commemoration of Me."

This obligation of sanctifying it thus, is well understood by you. We exhort you to be faithful in fulfilling it, and to bring up your children in the same prac tice. With far more fervor and reality than the Prophet in the Old Testament, we may cry out_"There is no nation under Heaven which has its God so near to as our God is nigh unto us!" The Mass is, as we have said, the perpetuation of Calvary. In it are present the very blood there shed, and the body there immolated. For you and yours, for the living and the dead belonging to you, that precious blood is there being poured out, and that sacred body is there being offered. What an invitation to you to be present! What an opening for pardon, and what an opportunity for

The solemn moment called of "Consecration" is placed by God's saints in the most precious setting of the church's liturgy. The Angels and the Apostles and martyrs are invoked; the words of Christ, as the Holy Ghost has penned them down in the Gospels, are read, and B into that saintly assemblage, that Holy of Holies, you are invited.

The Catholic, who, unless prevented by aserious obstacle, absents himself | Pi from Mass on a Sunday or Holy day of obligation, is guilty of a grievious sin. His omission is a grave disobedience. "He that hears you hears Me, and he that despises you despises Me," It is also a contempt of God's greatest mercy of salvation.

MAIL CONTRACT

SEALED TENDERS addressed to the Ottawa until noon, on Friday, the 19th Prince November, 1886, for the Postmaster General will be received at November, 1886, for the conveyance of He Majesty's mails on a proposed con tract for four years, once per week each way, beteen Wallace and Whitewood. station, from the 1st January next. Computed distance, 100 miles.

The conveyance to be made in a suita ble two horse vehicle, via Yorkton, Arm strong's Lake, Crescent Lake, Boakview, Kinbrae, Sumner, Esterhaz and Forest

The mails to leave Wallace on Mon days, at 9 a. m., arrive at Whitewood station on Wadnesday, at 3 p, m.; leave Whitewood station on Thursday, at 8 a, m., and arrive at Wallace on Saturday,

Or if more suitable for persons tender

at 8 a.m., arrive at Wallace on Wednesday, at 2 p. m.; leave Wallace on Thursday, at 9 a. m. and arrive at Whitewood station on Saturday, at 3 p. m.

Printed notices containing further information as to conditions of proposed contract may be seen, and blank forms of tender obtained, at the Post offices above named and at this office.

W. W. McLeod. Post Office Inspector Post Office Inspector's Officer, Winnipeg, Sept. 18, 1886.

Gold Watch Free, if there be more than one correct asswer, the second will receive and eigent Stem-winding Gentleman's Watch; the third, they winding English Watch. Each person must send 25 ct. the third asswer, for which they will receive three month! sub-cription to the Home Gneet, a 50 page Illustrated New Year Book, a Case of 25 articles that the ladies will appreciate and paper containing name of winners. Address - Pubs. OF HOME GUEST, HABTFORD, CONK

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Street cars pass the Brewery every few minutes,

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eef, roast, per lb	· ·	5	
eef, steak, per lb	10 to	18	
eef, corned, per lb	6 to	10	
eef, corned, per lbeef, boiling, per lb	6 to	8	
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WHOLESALE MEAT AND CATTLE MARKET.

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FRUIT. Cranberries, per barrel
California Pears, per box.
Grapes, per lb., Ontario...
Lemons, per box.
Oranges, per box.
Apples, per barrel.
Ripe tomatoes, per bushel
Green tomatoes, per bushel for en tomatoes, per bushel for

HAY AD STRAW. 30 to 4.50 2 00 8 00 to Straw Timothy WOOD.

 Poplar cordwood
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 Tamarac
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 Poplar poles, per cord
 8 50 to
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